

WP

1

Chicago Lakefront Study

RECREATION REPORT

Volume I

A Study Plan

Revised Draft



Chicago Lakefront Program

COASTAL ZONE
INFORMATION

GV
181.46
.C55
1979
v.1
c.1

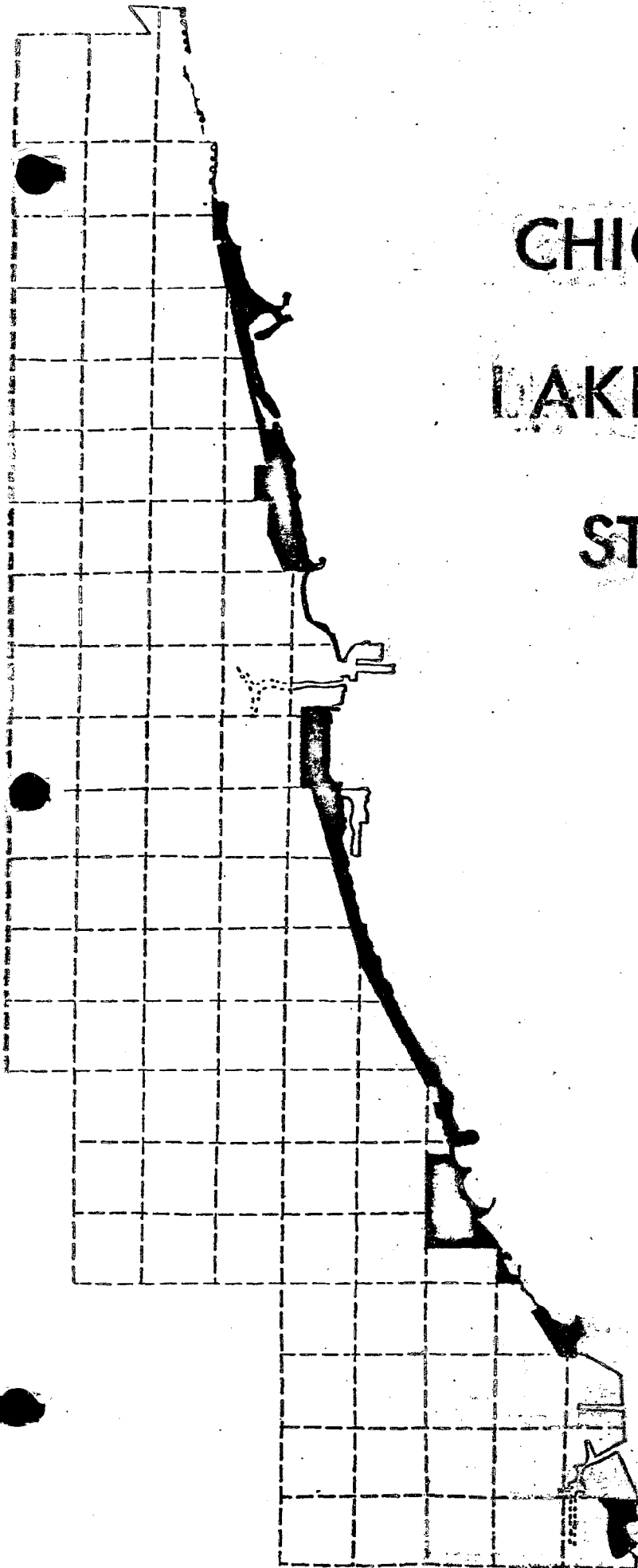


City of Chicago
Michael A. Bilandic, Mayor
Department of Planning,
City and Community Development
Thomas Kapsalis, Commissioner

NOTE: Dept. of Transportation and City of Chicago

CHICAGO LAKEFRONT STUDY

REVIEW
DRAFT



CZIC COLLECTION

CHICAGO LAKEFRONT STUDY

VOLUME I:

A. STUDY PLAN*

COASTAL ZONE
INFORMATION CENTER

by

James E. Christensen
Assistant Professor,
Department of Leisure Studies
(217) 333-0105

Rabel J. Burdge
Associate Professor,
Institute for Environmental Studies
(217) 333-2916

Jacquelin P. Buchanan
Research Assistant
Institute for Environmental Studies
(217) 333-6228

* This report is a preliminary review draft. A number of changes will be included in the final report, and this copy should be reviewed for general direction and content only.

REPT. OF TRANSPORTATION DIV. OF U.S. DEPT. OF COMMERCE
 661 1979 v.1 c.1
 GV181.46 .C55
 1979

CONTENTS

Chapter		Page
I.	Introduction	1
II.	Selection of Research Topics.....	4
III.	Constructing the Questionnaire.....	10
IV.	Sample Selection.....	23
V.	Mailing the Questionnaire.....	27
VI.	Coding the Questionnaire.....	31
VII.	Tabulating the Responses.....	34
VIII.	Summary of Recommendations.....	37

LIST OF APPENDICES

Appendix A.....Letters and Forms used in
in Issue Generating

Appendix B.....Survey Instrument

Appendix C.....Working Codebook

Appendix D.....Itemized Postage and Printing
Costs

Chapter I

INTRODUCTION

This report is one of two final products resulting from a contract between the University of Illinois and the City of Chicago. As the scope of services in that contract states, "the diverse nature of Chicago's peoples, their needs for recreational facilities and programs, and the limited nature of the resources available to satisfy their needs, are all facets of a difficult problem." In an effort to begin solving that problem, the City of Chicago, Department of Planning, City and Community Development initiated a general contract with the University of Illinois, Department of Leisure Studies and Institute for Environmental Studies to begin the process of assessing future use of recreation programs and facilities in Chicago with special attention directed toward the potential use and expansion of the Lakefront Park System.

The specific objective of the project was to formulate and test a survey instrument to use in determining the recreation preferences of the residents of Chicago and further to determine their perception of how the lakefront parks relate to other Chicago parks as a recreational resource. (The results of the final research are intended to assist decision-makers in determining the need for additional recreation opportunities along the lakefront.)

The products of this project were twofold. First, this report describes the process of developing, administering, and analyzing a test survey instrument.

It is a chronological reporting of the process and problems encountered in the study, and includes a recommended survey instrument, sampling procedure and analysis plan. In addition, some changes are suggested should the survey instrument be administered on a larger scale.

The second report from this study is titled, "A Preliminary Analysis of the Results of a Lakefront Recreation Survey" and presents an analysis of the responses obtained during the extensive four-community test of the survey instrument. In addition to presenting a model for analysis of the information gathered with the survey instrument, the report outlines needed recreational opportunities identified by the residents of the four test communities.

This report outlines a study plan for determining the need for recreation facilities and programs in Chicago, with special emphasis on the lakefront parks. It must be pointed out that in the original scope of work the emphasis was almost exclusively on lakefront parks and recreation. As the study progressed, it became obvious that adding items relevant to all parks and recreation in Chicago would make the study useful to a wider variety of decision-makers, and could be done without altering the format or budget of the project.

Planning Phase

Meetings were held in Chicago with an advisory committee composed of representatives of the Chicago Department of Planning, City and Community Development and the Chicago Park District to begin the process of developing an original survey instrument that would address the specific recreation resources that are available in Chicago. A number of important decisions were made in consultation with the advisory committee regarding the format of the study.

It was determined that the only methods of administering the survey that would fit into the budget of the study were telephone interviews and mail questionnaires. Telephone interviews proved to be too costly and could not provide enough information; therefore the decision was made to develop a mail questionnaire-type survey. Recent research and innovations in mail questionnaire methods have substantially eliminated the response-rate problem (Dillman, 1978 and Burdge, et al., 1978). Further, it was felt that detailed information on present recreation activity and future recreational preferences could only be supplied by respondents if they were given time to reflect and carefully consider their answers.

The second decision made during the initial meeting with the advisory committee was to test the survey instrument in four adjacent northern Chicago communities: Rogers Park, West Ridge, Uptown and Lincoln Square. Although residents in these communities do not share population characteristics with the city, it was felt that these neighborhoods would provide an adequate pre-test should a city-wide survey be undertaken. In addition, if no further studies were conducted, the four contiguous communities would provide a substantial block of information regarding north shore development.

Finally, the advisory committee meetings helped clarify the issues and concerns to be addressed by the study. Although this set of issues was greatly enlarged by the time the pre-test questionnaire was completed, local input assured that the relevant topics were included. In addition, the research team was better able to understand the operations of the park system within the City of Chicago.

Chapter II

SELECTION OF RESEARCH TOPICS

Introduction

There were three major sources used in the development of issues that the study would deal with. First, the advisory committee, with its expertise and knowledge of specific Chicago problems, provided a good basic list of issues to begin with. A thorough review of the literature and examination of numerous previously administered questionnaires provided additional issues. In order to ensure that all issues were considered, a process was then devised to allow representatives of both government and civic organizations to comment on or add to the list of issues that needed to be addressed.

Procedure

The issues from the advisory committee were generated in a day-long informal meeting. Additional issues were added from individual committee members as the study progressed. Again, these additions were discussed and added informally. It was the consensus of the committee that the study should address primarily facility issues. An attempt should be made to determine not only what and how many facilities are needed, but also where they should be located. Special emphasis was placed on the importance of determining facility needs for increased park land.

Further, the committee concluded that the study should try to ascertain how the lakefront parks fit into the total park system in Chicago, and to try to

determine the use of the lakefront parks relative to use of other Chicago parks.

The committee also indicated that any problems regarding the lakefront park system should be included in the study, but it was decided that development of problem issues should be left to the civic and interest group interviewing process.

It was the participation of representatives of various groups, then, that was particularly useful in this portion of the study. DPCCD provided a list of leaders of twenty-seven civic organizations, interest groups and government agencies throughout Chicago that had an interest in recreation or parks in the city. These leaders were contacted by letter to request their assistance in developing a list of issues relevant to the development of lakefront recreation. A form was sent with the letter on which respondents were asked to indicate their willingness to participate in the issue development process, and to schedule a time during which a twenty minute telephone interview could be conducted.

Sixteen interviews were conducted and a comprehensive set of issues was developed from the responses. A compilation of the serious issues was sent to the original interview respondents so that they could rank the issues and sub-issues in order of importance to their groups. It was felt that this process might generate a consensus among groups regarding the relative importance of the issues. The ranking process understandably revealed, however, that each group felt its own issues were the most important. (All letters and forms described in this section can be found in Appendix A.)

While the broad issues developed by the advisory committee emphasized future development plans and needs, the interviewing of government, civic and interest group leaders produced an issue list dealing primarily with current problems regarding the use and management of the parks. In fact, nearly seventy separate items were mentioned during the interviewing process that the group leaders felt should be considered in the study.

The first and most often mentioned issue area regarding the lakefront parks was the system's administration. While the general maintenance of the parks was the most frequently discussed item, leaders were also concerned with issues such as adequacy of communications and information, coordination with other government agencies, and quality and quantity of citizen input into management decision-making. Fee systems, ordinance enforcement, and scheduling of facilities' use were also often mentioned in the context of administrative issues. It is important to note that while most leaders citing administrative issues also cited the park district as the responsible agency, most leaders also volunteered that budgetary constraints are a problem for the park district as they are for many government entities. Many of the interviewers felt that a public relations effort by the park district could help minimize the problems and issues encountered in administering the lakefront parks.

A second issue area was comprised of concerns about the accessibility of the lakefront parks. Access to the parks from a transportation viewpoint, i.e., public transportation adequacy, automobile access and parking adequacy, made up part of the accessibility issue. The other important component of this issue area was in regard to facilities and special populations, i.e., access to handicapped persons, senior citizens and children. The special problems of these

groups raised concerns not only about transportation to, from and within the parks, but also about design accessibility of existing and future facilities.

Concerns related to the physical use of the lakefront parks comprised another issue area. Congestion, for example, was an issue that was often mentioned by interviewers, especially congestion in northside communities on weekends. This concern was often related directly to the fact that out-of-area visitors converge on the lakefront communities on weekends in the summer months. To residents of the northside communities, then, the problems caused by this influx of visitors was an important use issue.

Commercial development within the parks was another area of concern regarding use. Type of development, quantity and quality were all mentioned as important issues in the development of new areas, as well as in improving older areas of the lakefront park system.

Concerns pertaining to anti-social behavior made up another often mentioned issue area. It was felt that crime and/or perception of crime were major problems in the lakefront parks. The distinction between actual crime and perception of crime was important; many interviewees felt that crime was well controlled in the parks, but that residents felt the parks were dangerous anyway. The result was the same as if crime were common: people were avoiding the parks because of fear. Those individuals who felt crime was a problem often indicated that lack of security was also a problem. Vandalism, drug use and drunkenness were also often mentioned problems, and teenage groups were cited as being responsible for most of this type of behavior. Litter, on the other hand, was mentioned as a problem caused by nearly all groups using the parks.

Recreation programming in the lakefront parks was raised as an issue area in two respects: first, issues regarding the program themselves and second, issues regarding who the present programming serves. In the first area, type, number, variety, scheduling and availability of programs were all mentioned as problems or issues that needed to be addressed in the study. Further, some interviewees felt that ethnic groups, senior citizens and women were not served sufficiently by the existing programs offered in the lakefront parks.

When asked to define issues pertaining to the adequacy of current lakefront development and services, concerns were raised about specific adequacy of service to senior citizens, handicapped persons, women, men, ethnic groups, economically disadvantaged groups, northside residents and southside residents. Realistically, then, nearly each interviewee expressed concern regarding current service to his or her particular civic or interest group. There was, however, a consensus that special attention is needed on the issue of service to senior citizens and handicapped persons. Regarding current lakefront development, it was felt that the quality of recreation facilities in general, the quality of the natural environment and the quality of the built environment were all important issues that need attention. In addition, some concern was raised about the number of recreation facilities as well as about the lack of land available for new development in the lakefront park system.

The final issue that was deemed important in the study was that of new facility needs. Opinions regarding new facility development were as numerous and diverse as there were persons interviewed. The overall consensus was that the issue rests in determining what people actually want in the way of facilities, and then in providing those facilities in an environmentally sound way that is equitable to all groups using the parks.

In summary, then, there were seven main issue areas identified during the interviewing process: (1) the administration of the parks, (2) the accessibility of the parks, (3) the physical use of the parks, (4) anti-social behavior in the parks, (5) recreation programming offered in the parks, (6) the adequacy of existing lakefront development and services, and (7) new facility needs in the parks. These seven issues and the many sub-issues provided the base upon which the survey instrument was to be built.

Recommendations

If a city-wide study is conducted, it would be helpful to repeat this process and to seek input from as broad a spectrum of community interests as possible. Even though few new research questions may be generated, a variety of input must be obtained if support for a final plan is expected. If such a study is scheduled to begin more than five or six years in the future, it would be best to begin again the issue selection process.

Chapter III

CONSTRUCTING THE QUESTIONNAIRE

Introduction

A review of recreation use studies and survey research instruments designed to measure recreation activity showed that of the many done in the last fifteen years, few were urban-centered, and none could be directly applied to the lake-front park system in Chicago. Determining recreation needs and preferences in Chicago could not be solved by simply adapting and administering previously developed and tested survey instruments. However, these studies were valuable in formulating and formating the final survey instrument.

The selection and design of questions used in the survey was based on the list of issues described in the preceding chapter. Forced choice or "closed" questions were used for questions about recreation behaviors and preferences. "Open-ended," or "fill-in-the-blank" type questions were used when information of an attitudinal nature was needed. Background information, which helped in evaluating answers, was collected in a checklist fashion. Finally, based on previous research on mail questionnaires, it was decided to limit the number of pages to twelve (Dillman, 1978).

Procedure

The survey instrument was divided into three areas:

1. Questions about the respondent's use and opinions of Chicago parks.
2. Questions about the respondent's recreation behavior.
3. Questions about the respondent's social and economic situation.

What follows is a description of the rationale behind each question or set of questions included in the survey instrument. A copy of the survey instrument is included in Appendix B.

Section One

The first question (Figure 1) asked for the respondent's opinion about the quality of the lakefront parks. While responses to the question were very general in nature, the question was necessary to give the respondent a chance at the very beginning of the questionnaire to express his/her opinion. Further, it was important to make the first question very easy to understand and answer. The test of the instrument did not reveal any problem with this question, since almost all respondents did answer this question.

1 IN GENERAL, DO YOU THINK THE QUALITY OF THE LAKEFRONT PARKS IS: (check only one)

- ☐ VERY HIGH
- ☐ HIGH
- ☐ AVERAGE
- ☐ LOW
- ☐ VERY LOW

Figure 1.

The second question was designed to separate out those respondents who did not use the lakefront parks during the past year (Figure 2). The non-users were given an opportunity to say why they did not use the lakefront parks and then were asked to skip to a question regarding non-lakefront parks. Again, there appeared to be no problem with the content or format of the question, although some negative respondents did not specify a reason for not using the lakefront parks.

2. IN THE PAST YEAR, HAVE YOU USED ANY OF THE LAKEFRONT PARKS?

☐ YES
☐ NO → WILL YOU WRITE BRIEFLY WHY NOT: _____
Skip to Question 5

Figure 2.

Those who did use the lakefront parks during the past year were asked in question three (Figure 3) how they most often got to those parks. This question was included because transportation to, from and within the lakefront parks surfaced as a relatively large issue in the study. Responses to this question could be tabulated with later opinion questions regarding public transportation, accessibility of the parks and parking problems in the parks to develop a clear picture of transportation preferences and problems. It is recommended that the "(check one only)" stipulation on question three be eliminated, since many respondents check two and even three methods of getting to the parks. This problem was handled with a coding adjustment, and the codebook used in the questionnaire analysis allows for more than one response to this question.

3. HOW DO YOU MOST OFTEN GET TO THE LAKEFRONT PARKS? (check only one)

☐ WALK
☐ RIDE A BICYCLE
☐ DRIVE A CAR
☐ RIDE A BUS
☐ ON THE "L"
☐ OTHER (specify) _____

Figure 3.

Question four (Figure 4) requested a ranked listing of the three most often used lakefront parks, as well as the approximate number of times each was used during the previous summer and winter. This question was included to not only provide specific park use data, but could also be tabulated with recreation participation information from Section 2 to provide a profile of facility pressure and needs in the various lakefront parks. Although respondents had no apparent problem filling out this question, it is recommended that a "never" category be added to each use list, since it is likely that many persons use certain parks in the summer and not in the winter, and vice versa. In addition, adding the "never" category would make question four easier to tabulate with question five.

- 4 PLEASE LOOK AT THE MAP ON THE COVER OF THE BOOKLET AND LIST THE THREE LAKEFRONT PARKS YOU USED MOST OFTEN DURING THIS PAST YEAR. THEN CHECK HOW OFTEN YOU USED EACH PARK THIS PAST SUMMER AND THIS PAST WINTER.

NAME OF LAKEFRONT PARK (list)		ABOUT HOW OFTEN DID YOU USE THIS PARK DURING THIS PAST:	
		SUMMER	WINTER
		check one for each park	check one for each park
MOST OFTEN USED:	_____	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>
SECOND MOST OFTEN USED:	_____	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>
THIRD MOST OFTEN USED:	_____	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>

Figure 4.

Question five, which all respondents were asked to answer, inquires about use of non-lakefront parks in Chicago (Figure 5). The question was included for two reasons. First, it was important to find out if persons who did not use the lakefront parks simply did not use parks at all, or if they used other parks. In addition, responses to this question would allow for comparison of the relative use of lakefront and non-lakefront parks.

5. ABOUT HOW OFTEN DID YOU USE CHICAGO PARKS OTHER THAN THE LAKEFRONT PARKS THIS PAST SUMMER AND WINTER?

SUMMER (check one)	WINTER (check one)
<input type="checkbox"/> ALMOST EVERY DAY	<input type="checkbox"/> ALMOST EVERY DAY
<input type="checkbox"/> ONCE OR TWICE A WEEK	<input type="checkbox"/> ONCE OR TWICE A WEEK
<input type="checkbox"/> ONCE OR TWICE A MONTH	<input type="checkbox"/> ONCE OR TWICE A MONTH
<input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>
<input type="checkbox"/> NEVER	<input type="checkbox"/> NEVER

Figure 5.

An important issue that was raised by many individuals during the planning phase of the study was the adequacy of facilities. It was important, then, to address the facilities issue directly. Question six (Figure 6) provided an opportunity for respondents to list facilities they felt were needed in all Chicago parks. There were no serious problems with this question during the pre-test, although this page of the questionnaire did appear a little "cluttered" compared to other pages. It is possible that moving the "Facilities List" (Figure 7) that is used as reference on this page and the next would remedy the cluttered appearance.

WE WOULD LIKE TO KNOW IF YOU THINK ADDITIONAL FACILITIES ARE NEEDED IN CHICAGO PARKS. ON THE LINES UNDER "NEEDED FACILITIES", LIST UP TO SIX ITEMS YOU THINK ARE NEEDED. AFTER YOU LIST A FACILITY, PLEASE CHECK ON THE RIGHT HAND SIDE THE LAKEFRONT PARK(S) IN WHICH YOU WOULD LIKE TO HAVE THE FACILITY LOCATED, AND/OR WRITE IN ANY OTHER CHICAGO PARK ON THE LINES PROVIDED. (The list of facilities on this page might help you in answering this question, but feel free to list any facility you think is needed. The map on the front cover of the booklet shows where each of the Lakefront Parks is located.)

NEEDED FACILITIES	NORTH SIDE STREET END REACHES	LOYOLA PARK	LINCOLN PARK	GRANT PARK	BURNHAM PARK	JACKSON PARK	RAINBOW PARK	CALUMET PARK	OTHER CHICAGO PARKS (specify)
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Figure 6.

FACILITIES LIST

Archery Ranges	Casting Pools	Putting Greens	Outdoor Theatres	Softball Diamonds
Art Galleries	Club Rooms	Handball Courts	Parking Lots	Spray Pools
Assembly Halls	Craft or Hobby Shops	Harbor Facilities	Picnic Areas	Stadium
Athletic Fields	Cross-Country Ski Trails	Launching Ramps	Playgrounds	Swimming Pools
Baseball Diamonds	Day Camp Areas	Horseshoe Courts	Restaurants	Tennis Courts
Basketball Courts	Flower Gardens	Boccie Courts	Restrooms	Trap Ranges
Bathing Beaches	Fieldhouses/Gymnasiums	Lagoons	Running Tracks/Trails	Volleyball Courts
Beach Houses	Fishing Areas	Model Yacht Basins	Rifle Ranges	Walking Paths
Bicycle Paths	Football/Soccer Fields	Obstacle Fitness Course	Senior Citizens Centers	Wildlife Areas
Bowling Greens	Golf Courses	Open Lawn Areas	Shuffleboard Courts	Youth Centers
Bridle Paths	Driving Ranges	Open Paved Areas	Skating Facilities	

Figure 7

Question seven (Figure 8) asked for suggestions to improve present facilities in the lakefront parks. The format was open-ended to avoid "leading" respondents, and to allow them to list any ideas they felt were important. Like all open-ended questions, the responses to question seven were difficult to code for computer analysis. On the other hand, some of the most useful and specific information gathered during the test was in response to this question.

It is recommended that this question remain in its present format, but that time be taken during analysis to transcribe the responses so that decision-makers may benefit from the many valuable remarks and suggestions included in the responses.

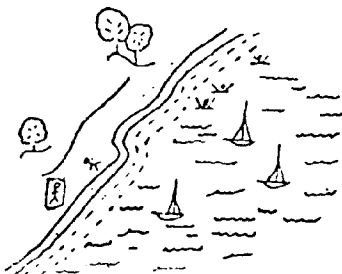
7. PLEASE WRITE ANY SUGGESTIONS YOU HAVE TO IMPROVE THE FACILITIES THAT ARE NOW AVAILABLE IN THE LAKEFRONT PARKS:

Figure 8.

In the 1972 Chicago Lakefront Plan, the possibility of creating increased shoreline, peninsulas or islands for recreation use was discussed. In order to obtain some public opinion about the various possible configurations, question eight (Figure 9) presented simple diagrams of the three landfill shapes discussed in the plan. Respondents were asked to indicate which, if any, of the configurations would be acceptable if the city were to add land to the lakefront park system.

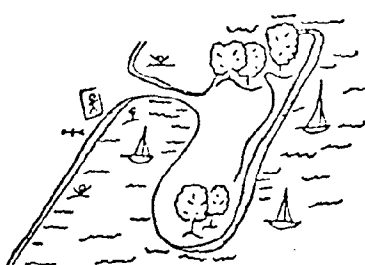
8 IF THE CITY WERE TO ADD LAND TO THE LAKEFRONT PARK SYSTEM, HOW WOULD YOU LIKE TO HAVE IT ADDED? (Look at the diagrams below, and check "YES" or "NO" for each one)

AS NEW SHORELINE LAND ☐ YES
☐ NO



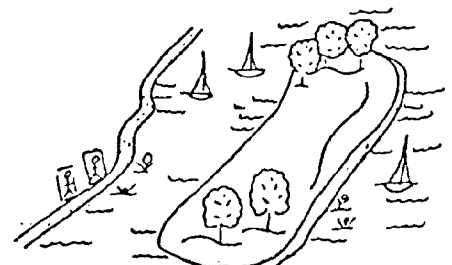
NEW SHORELINE

AS PENINSULAS ☐ YES
☐ NO



PENINSULA

AS ISLANDS ☐ YES
☐ NO



ISLAND

Figure 9.

Using the same rationale, question nine (Figure 10) requested that respondents list in order of importance up to eight facilities they would most like to have developed on new shorelines, peninsulas, and islands. Respondents had no problem answering questions eight and nine, and it is recommended that they remain in the same format.

9 IF THE CITY WERE TO ADD LAND TO THE LAKEFRONT PARK SYSTEM IN ANY OF THE WAYS SHOWN ABOVE, LIST UP TO EIGHT FACILITIES YOU WOULD LIKE TO HAVE DEVELOPED ON THAT LAND. *(Please list in order of importance to you. Only the first of facilities will be helpful)*

ON NEW SHORELINE LAND (list facilities)	ON NEW PENINSULAR (list facilities)	ON NEW ISLAND (list facilities)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Figure 10.

Question ten (Figure 11) was made up of thirteen neutral statements with which respondents were asked to agree, disagree, or state they didn't know if they agreed or not. A space was also provided for a comment about each statement. This question addressed nearly all of the major issues raised during the planning stages of the study. The only modification recommended is that the example "amusement parks" in statement nine regarding the desirability of private businesses operating in the lakefront parks be changed to "bicycle rental" or some other small-scale business. Many respondents in the test were in favor of "restaurants" but adamantly against "amusement parks" or other large scale businesses. The examples, then, made the question impossible for some respondents to answer. There were no problems with the other twelve statements, and no changes are recommended.

10 PLEASE READ EACH OF THE FOLLOWING STATEMENTS AND CHECK THE BOX UNDER "YES" IF YOU AGREE, UNDER "NO" IF YOU DO NOT AGREE, AND UNDER "DON'T KNOW" IF YOU ARE NOT SURE IF YOU AGREE OR NOT. THEN FEEL FREE TO COMMENT ON ANY OF THE STATEMENTS ON THE "COMMENT" LINES.

	YES	NO	DON'T KNOW	COMMENT
THE <u>LAKEFRONT PARKS</u> ARE GENERALLY CLEAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
THERE SHOULD BE MORE OPEN GREEN SPACE IN THE <u>LAKEFRONT PARKS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
THERE IS ADEQUATE INFORMATION ABOUT THE PROGRAMS AND SERVICE OFFERED IN THE <u>LAKEFRONT PARKS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
THE <u>LAKEFRONT PARKS</u> ARE EASY TO GET TO.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
THERE IS ADEQUATE PUBLIC TRANSPORTATION TO AND FROM THE <u>LAKEFRONT PARKS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
THERE ARE ENOUGH BOATING FACILITIES IN THE <u>LAKEFRONT PARKS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
I WOULD LIKE TO HAVE A NEW PARK DEVELOPED NEAR MY HOME.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
I WOULD PAY A REASONABLE FEE TO USE <u>LAKEFRONT PARK</u> FACILITIES AND PROGRAMS, SUCH AS TENNIS COURTS AND SAILING CLASSES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
PRIVATE BUSINESSES SHOULD BE ALLOWED TO OPERATE CERTAIN FACILITIES IN THE <u>LAKEFRONT PARKS</u> , SUCH AS RESTAURANTS AND AMUSEMENT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
THE <u>LAKEFRONT PARKS</u> ARE A SAFE PLACE TO GO.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
THERE SHOULD BE MORE PARKING SPACE IN THE <u>LAKEFRONT PARKS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
VISITORS TO THE <u>LAKEFRONT PARKS</u> CAUSE TRAFFIC PROBLEMS IN MY COMMUNITY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
BOAT HARBORS ADD TO MY ENJOYMENT OF THE <u>LAKEFRONT</u> <u>PARKS</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

Figure 11.

Section Two

The next four-and-a-half pages of the questionnaire included questions regarding the respondent's recreation behavior (Figure 12). This section of the questionnaire is fairly straightforward. The first question asks respondents how often they participate in specific activities in the summer and winter and whether or not they participate in the lakefront parks. It was decided that

it would be more meaningful to collect this direct participation data rather than asking about recreation preferences, since studies show that respondents tend to be inaccurate when asked about activities in which they would like to participate. Responses to this question set provided a great deal of facility pressure information including specific data about the use of the lakefront parks. The test showed the list of activities used for the question set to be quite comprehensive, and no changes are recommended.

- 1) PLEASE LOOK AT THE LIST OF ACTIVITIES BELOW. IF YOU DO AN ACTIVITY, CHECK THE BOX ON THE RIGHT THAT BEST TELLS HOW OFTEN YOU DO IT. THEN CHECK "YES" IF YOU DO THE ACTIVITY IN THE LAKEFRONT PARKS AND "NO" IF YOU DO NOT. IF YOU DO NOT DO THE ACTIVITY, JUST SKIP TO THE NEXT ONE. THE FIRST PART OF THIS QUESTION IS FOR SUMMER ACTIVITIES, AND THE SECOND PART IS FOR WINTER ACTIVITIES. (The example "Play Tennis" shows that the activity is done "once or twice a month" in the summer, and that it is done in the Lakefront Parks.)

SUMMER ACTIVITIES	HOW OFTEN DO YOU PARTICIPATE?				DO YOU PARTICIPATE IN THE LAKEFRONT PARKS?	
	ALMOST EVERY DAY	ONCE OR TWICE		THIS SEASON	YES	NO
		A WEEK	A MONTH			
EXAMPLE: PLAY TENNIS	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLAY GOLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY HORSESHOES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY HOCCKEY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY TENNIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY BASEBALL OR SOFTBALL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 12.

Question set twelve (Figure 13) was again an activity-related inquiry. Respondents were asked to indicate, if they would like to do any of the activities on the list more, why they do not. If, for example, "not enough time" was checked as a reason for not playing tennis more, there is no management responsibility indicated. If, however, the reason for not playing more tennis was that "facilities [were] not available" or "facilities [were] too far away," some unsatisfied demand was expressed, and some management action might be appropriate.

12. WE WOULD LIKE TO KNOW WHY YOU DO NOT DO MORE OF THE THINGS YOU LIKE TO DO. FOR ANY ACTIVITY ON THE LIST BELOW THAT YOU WOULD LIKE TO DO MORE, CHECK THE ONE REASON THAT BEST DESCRIBES WHY YOU DO NOT DO IT MORE. (The example shows that the main reason for not playing tennis more is that there is "no one to go with". CHECK ONLY ONE!)

ACTIVITIES	NOT ENOUGH TIME	COSTS TOO MUCH	FACILITIES NOT AVAILABLE	FACILITIES TOO FAR AWAY	FEAR OF CRIME	BAD HEALTH	NO WAY TO GET THERE	DON'T KNOW WHERE TO GO	NO ONE TO GO WITH
EXAMPLE: PLAY TENNIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PLAY GOLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY BOCCIE OR HORSESHOES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY TENNIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY BASEBALL OR SOFTBALL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY VOLLEYBALL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY FOOTBALL, RUGBY OR SOCCER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BICYCLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 13.

A cross-tabulation of the responses to questions eleven and twelve could be used to represent a fairly straightforward expression of demand for recreation facilities and programs in Chicago. Few respondents had difficulty with the format of the questions, and it is recommended that both question eleven and question twelve remain unchanged.

Section Three

The last section of the questionnaire included information on the background and social history of the respondent. The information gathered with these questions could be tabulated with U. S. census projections, and when combined with the other responses in the questionnaire could provide very valuable long-term management guidelines. Again, the wording, sequence, and format of these questions have been used in other mail questionnaire studies, and therefore should remain in the present form.

The last space on the questionnaire was left open for any comments the respondents wished to make. It is recommended that they be carefully examined by managers and planners, in that much valuable detail can be found about individual's experiences as they visited (or why they did not visit) the lakefront parks.

Formating the Questionnaire

As shown in Appendix B, the front page of the questionnaire includes both the cover letter for the questionnaire and a map of the lakefront park system.

The cover letter was printed on the questionnaire because previous studies have not conclusively shown that personalizing the cover letter increases response rates. The cover letter had several important elements. First, it was explained that the University of Illinois was conducting the study for the City of Chicago. It was felt that this would appeal to Illinois citizens' pride in their university, and would reduce any threat they might feel if the city had conducted the survey. Next, an attempt was made to convey how important each individual's responses would be to the study. The survey was further described as an opportunity for the respondent to express his/her opinion, and confidentiality of responses was assured. The respondent was further offered the opportunity to receive a summary of the study results, and the importance of individual respondents was reiterated. Care was taken to write the letter in a simple, straightforward style. No changes are recommended for the cover letter except that a bolder typeface should be used. Although no comments or problems were evident after the test regarding readability, it was felt that after the slight type reduction used in printing the questionnaire, the cover letter should have been slightly darker.

A map of the lakefront park system was designed for the cover page after DPCCO personnel indicated that many Chicago residents were not aware of the names and/or boundaries of the individual parks. Since several questions referred directly to the lakefront parks, a map was considered a necessary reference. This map was reduced in printing and was also used as a logo on the follow-up postcard as well as on both the mail-out and the return envelopes.

Once a first draft of the questionnaire was produced, many individuals, including members of the advisory committee and DPCCD staff, were asked for corrections, suggestions and revisions. Wording of questions was carefully reviewed and simplified and several format changes were made. The final test product was the result of five revisions.

Once the substance of the survey instrument was finalized, the next several decisions were cosmetic. Many previous studies had shown that individuals react to a total package with mailed questionnaires, so it was necessary to make the questionnaire "package" as attractive as possible. Three separate typefaces were used in producing the final draft of the questionnaire, and the whole product was slightly reduced before printing in order to end up with an 8 1/2 x 11 inch booklet. Dark blue ink on ivory paper was selected for the questionnaire, and the logo and return addresses were printed in the same dark blue ink on white mailing and return envelopes. The postcard reminder was also white with dark blue logo and return address. The total package was seen by respondents as simple and attractive. Therefore, with modifications in wording and type, the printed materials can be used as presented (see Appendix B).

Chapter IV

SAMPLE SELECTION

Procedure

The search for a representative source of names to select a sample involved examination of the following alternative sources:

1. telephone directories
2. utility service lists
3. licensed drivers
4. random digit phone dialing
5. voter registration lists

After comparison of the advantages and disadvantages of each, the list of current registered voters was selected as the source for obtaining names in the four test communities. The voter registration lists are up-to-date in that the study took place shortly after the November elections. In addition, the available computer facilities allowed the research team to not only make the random selection, but also to print the three sets of address labels for mailing. This last advantage eliminated the costly and time-consuming necessity of hand-typing the mailing labels.

The advantages of the voter registration lists were considered against the few biases that might be present if the lists were used. For example, persons under 18, an important group to consider in recreation planning, would not be sampled. Furthermore, registered voters are permanent residents of the area. Younger persons and transients do not always register to vote.

The researchers concluded that the other sources of names had more disadvantages than did the voter registration lists. For example, telephone directories were eliminated when it was found that over 65 percent of the residential phones in Chicago were unlisted. Utility service lists were eliminated because of the number of utility companies operating in the city, the difficulty and expense involved in acquiring and collating the lists, and the fact that 50 percent of the city dwellers live in multi-family units with utilities listed in the landlords' name. Licensed driver lists were not used because a high proportion of the people in Chicago do not drive, especially older persons. Random digit dialing was not used because each telephone interview costs ten times that of a mail questionnaire.

Recommendations

The advantage cited of getting very current addresses from the voter registration lists did indeed hold true. Only three percent of the total number of questionnaires mailed were returned undeliverable; as compared with an expectation of 15 percent with other sources (Burdge, et al., 1978). For this reason, as well as the very small expense incurred in using the lists, this source of names should be used if a city-wide study is conducted. In addition, the age, sex, and location within the city is included on the lists. Thereby, the sample can be easily compared with census profiles to make sure they are representative of the city populations.

Sampling Procedures

The project sponsors asked the research team to gather 400 useable responses from each of the four test communities. This number would allow for generalizing and projecting the responses to the adult population of each community as a whole. At an optimistic 50 percent expected response rate coupled with up-to-date

addresses with a sample size of 3200 was selected. Although a 50 percent response rate is never obtained in mail surveys with only postcard follow-ups (as was the case with this pre-test), procedures developed by sociologists at the University of Illinois have increased the response rate to near 70 percent, as described in the recommendations in Chapter 5.

The physical process of drawing the sample from voter registration lists was done by DPCCD personnel and specialists at the city computer center. The four communities were delineated by geographical boundaries and the computer was programmed to make a random selection of approximately 800 persons from each community.* Since the random number selection procedure does not allow for precise totals, 3286 persons made up the final sample.

The sample printout included each person's name, address, ward, precinct, community, census tract, geo-code, and three computer typed address labels. Although registration lists, of course, are stored alphabetically, an additional programming routine presented the first name first and the last name last. The first label was used for the mailing of the questionnaire instrument, the second label was used for the postcard follow-up and the third label will be used to mail a summary of the study results to respondents that requested it.

Recommendations

If a city-wide survey were undertaken, it would be unreasonable to aim at 400 useable responses for each of Chicago's 75 community areas (as was the case

*The City of Chicago has developed a computer procedure called geo-coding, which allows each person on the voter list to be identified by his exact street address.

in the pre-test). Even with an expected response rate of near 70 percent, the total sample size required would be over 44,000 persons. Outside of the postage and coding costs, the simple logistics of handling that many questionnaires would be prohibitive.

One hundred (100) useable responses for each community would provide adequate information at a reasonable cost. Again using a 70 percent expected response rate, the total sample for the city would be about 10,900 persons. This number should yield at least 7,600 useable responses, which would provide excellent city-wide coverage. On the community level, one hundred useable responses for each would allow for useful comparisons of percentages between communities and would provide good information about the recreation and park needs and preferences of each individual community.

Chapter V

MAILING THE QUESTIONNAIRE

Data Collection Procedure

On November 15, 1978, 3,286 questionnaire packages were mailed. Each package consisted on a numbered questionnaire, a mailing envelope with \$.41 hand-applied postage, and an enclosed return envelope with \$.28 hand-applied postage (see Appendix B). Stamps were used rather than metering because studies have shown better response to mail studies that use the former. Further, there was some concern that the large mailing envelope would be mistaken for "junk" mail; especially during the pre-holiday season. In addition, the words "first class" were stamped in large letters on each envelope. Stamps were also hand-applied to the return envelope to further emphasize the personal nature of the study.

Five days after the initial mailing, on November 20, 1978, a postcard follow-up with \$.10 hand-applied postage was sent to all persons in the sample to thank them either for completing the questionnaire or, for taking time in the future to do so (see Appendix B).

The single mailing and the postcard follow-up resulted in 1,166 completed useable questionnaires for a response rate of 36.60 percent (Table 1). Most mail questionnaire surveys with a postcard follow-up produce a response rate of less than 20 percent. The 1,166 responses were not only an adequate number to thoroughly test the survey instrument, but also provided a considerable amount

of substantive information about recreation demand in the four test communities (see "A Preliminary Analysis of the Results of a Lakefront Recreation Survey").

Recommendations

If a larger study is conducted, it is recommended that budget allowance be made for more extensive follow-up procedures. A study called, ILLINOIS: Today and Tomorrow, utilizing techniques after which this mailing procedure was designed, yielded a response rate of 69 percent. That study used these additional procedures:

- Approximately three weeks after the postcard reminder, a replacement questionnaire and a letter urging a prompt response to those individuals who had not yet responded was mailed. Again, a postage paid return envelope and personalized letter was included.
- About three weeks after the second mailing, another complete package was sent by certified mail to non-respondents, emphasizing in the accompanying letter the importance of the individual respondent. This mailing, increased the response rate to near 70 percent. An alternative to the certified mail follow-up would be a phone call follow-up, if phone numbers are available.

It is important that all postage be in the form of hand-applied stamps. All correspondence involved in the previously outline procedures should be personalized. If a computer is used to print mailing labels, five sets should be printed: four for the mailing and follow-ups and one for a summary of results, should it be requested. All correspondence should carry the map logo in order to generate identification of the study.

At least fifty studies had been conducted at the time of the present effort using the follow-up procedure recommended above. The return rates for these studies have consistently been near 70 percent (Dillman, 1978). It is possible, then, that with careful and effective design and presentation of materials a large-scale lakefront recreation study could yield a high response rate. Although the return rate of 36.60 percent experienced in the questionnaire test was considered excellent, it is recommended that a larger study not be conducted during the holiday season. Had the budget allowed, the test would have taken place in late September and early October; thereby allowing better recall of summer recreation activity.

Chapter VI

CODING THE QUESTIONNAIRE

Procedures

Because of the large number of completed questionnaires involved in this type of study, the material was coded and key punched for machine tabulation directly from the completed questionnaire.

When each completed questionnaire was returned it was stamped with the date received and was edited in preparation for coding. Editing consisted first of coding all information already available about the respondent onto the front and back pages of the questionnaire, i.e., respondent's status, community, census tract, ward, precinct, and geo-code among others.

The second step in editing was to thoroughly read each questionnaire and assign codes for the open-ended questions. Responses, of course, had to be generalized to accomplish this task, so it is again recommended that the original responses be transcribed and distributed to decision makers. Other editing consisted of assigning census and Duncan codes to occupations listed, and filling in missing answers when possible. For example, if the respondent placed a "/" in the space after "How many children...live in your home?," it was assumed that "/" meant "none" so the response was coded as "0." If the respondent indicated that he/she was "retired" or a "student" on the next-to-last page and left the "What is your occupation?" question blank, it was filled in and coded to the same answer.

After editing and coding the open-ended questions, coders processed each questionnaire by simply putting the appropriate code numbers on corresponding column blanks (Appendix C). It is elementary to state that a larger study of the size projected will be only as good as its raw-data file, and if too many coders are hired there could be a resulting lack of consistency and/or quality.

Once the questionnaires were coded, the codes were keypunched directly onto magnetic tape and verified using the same procedure. The tape itself could then be used as a raw-data file and in addition, sets of computer cards could be produced from the tape to use in building system files and to backup and protect the data file.

It was decided early in the planning stages of the study to use the Statistical Package for the Social Sciences (SPSS) system to analyze the data. SPSS is a computer software package used by both the University of Illinois and the City of Chicago computer centers. In addition to having extensive and sophisticated analysis capabilities, the SPSS package is also extremely easy to access and use. While the coding was being accomplished, then, a SPSS "systems file" was being developed. This file consists, among other things, of assigning names to variables and values, which makes it possible for persons not well-versed in computer procedures and jargon to easily understand the analyses and results that are produced by the SPSS package.

Once the systems file and the raw data file were completed they were combined and placed on tape for easy access and use. The data was examined and "cleaned" or corrected, and the results of the questionnaire test were ready to analyze.

Recommendations

This portion of the study plan was quite routine. The working codebook is satisfactory, and the systems file can be used as it is to accommodate a larger study. The only change would be to replace the test data file with the data file produced by the larger study. Again it should be emphasized that the study results are only as good as the data preparation (i.e., coding and key-punching) so the effort to hire experienced high-quality help is critical. Quality control is extremely important during this phase of the study.

Chapter VII

TABULATING THE RESPONSES

Procedures

Since the main objective of the study was to develop and test the survey instrument, little time and budget was allocated to the analysis of the data. Frequencies, adjusted frequencies and some cross-tabulations were among the procedures selected for the preliminary analysis of the responses that came from the residents of the four community test area. "A Preliminary Analysis of the Results of a Lakefront Recreation Survey," the second product of this study, describes the rationale behind the procedures that were performed. The reader is advised to study that report for details and recommendations regarding data analysis. That report also related the preliminary results of the analyses that were performed.

Recommendations

It is recommended that the procedures discussed in the Preliminary Analysis Report be replicated for a larger study. It is important to note that a considerable amount of time be allocated for more detailed analysis. The survey instrument is constructed to gather a wealth of detailed information about respondents' attitudes, behavior, and socio-economic status. Much useful information could be generated by cross-tabulating the three types of information on an item-by-item basis, and then applying U. S. census or other population study projections to the results. Again, this type of analysis requires a great deal of time and effort. If a study of the size anticipated in Chapter IV is undertaken, at least 15 months should be budgeted for analysis after the raw data

has been cleaned and taped. In this amount of time, a fairly comprehensive library of cross-tabulations and frequencies could be developed. Additional analysis time would be necessary for more complex and sophisticated procedures such as regression analysis.

In summary, the type and level of sophistication of analyses in a larger study would be limited only by time and budget. The type of information required must be specified at the management level; statistical expertise should then be called on to develop the appropriate procedures and tests.

In other words, it would be relatively easy to generate a library of statistics such as that described in the "Preliminary Analysis," in a short period of time. The complexity of the larger study would come in determining what set of policy issues must be addressed, and then in applying the appropriate statistical procedures to address those issues. In addition, there should be a determination and specification of the type and number of publications to be generated from the study. These procedures could best be accomplished in an academic setting where the resources and expertise to get the job done are both abundant and inexpensive. Obviously, however, if policy issues are to be adequately addressed, it would be necessary for the academicians working on the study to cooperate with and encourage input from policy makers and implementers from the city at all stages of the study.

Further, once the results of the study have been analyzed, it is critical that the information developed be widely distributed throughout the city to government agencies and civic groups that might use that information in their decision-making processes. All too often, studies generate a wealth of valuable

data, only to end up on a shelf without any effort at disseminating the information available. This, of course, leads to repetitive studies when repetition is not called for, and it also imposes on the public to repeat responses to similar questions year after year. The proposed budget at the end of the next chapter, therefore, allows time not only for sophisticated analysis of the data generated, but also for some information dissemination effort.

Chapter VIII

SUMMARY OF RECOMMENDATIONS

1. If the four community test described in the preceding portions of this report is replicated on a city-wide basis, the results will describe both the public's perception of the lakefront as a recreational resource and the needs for recreation facilities and programs on a city-wide basis.

2. The survey instrument found in Appendix B could be used for the replication after incorporation of new questions and modification of others to best tap information on a city-wide basis.

3. The sampling framework described in Chapter IV is not only satisfactory, but due to the coverage of the registered voter list it is accurate and allows comparison with other information maintained by DPCCD. Further, it has the advantage of being very inexpensive to use. The high response rates obtained by means of mail questionnaires coupled with the unique advantage of allowing respondents time to complete their answers makes this data gathering technique ideal for the City of Chicago.

4. The information described in "A Preliminary Analysis of the Results of a Lakefront Recreation Survey" is just that...preliminary. Detailed analyses and interpretations would be part of a larger study. In addition, considerable time is needed to review the results with City of Chicago decision makers.

5. The existing SPSS systems file should be adequate, as should a modification of the working codebook found in Appendix C. The systems file used in this study is on the tape that accompanies these reports.

6. If a larger study is funded, the following budget might be considered a minimum projected cost. It is critical that, in addition to adequate money, enough time be budgeted to allow for analysis of the information. The recommended study is quite large, and will require more time for processing the questionnaire. The pre-test study did not include time for analysis and interpretation of the results, which is presumably why such a study would be done.

24-MONTH MINIMUM BUDGET FOR A
CITY-WIDE STUDY

Item

A. PERSONNEL:		
1. Project Leaders	\$24,000.00	
2. Project Coordinator	20,000.00	
3. Data coders (200 hrs at \$3/hour)	3,600.00	
4. Secretarial Help (320 hrs @ \$4/hour)	1,280.00	
5. Graduate Assistant	<u>10,400.00</u>	\$59,280.00
B. PRINTING:		
1. Questionnaires, envelopes, letters (see Appendix D for items)	\$ 7,728.00	
2. Reports	1,500.00	
3. Copying	<u>1,000.00</u>	\$10,228.00
C. DATA COLLECTION COSTS:		
1. Travel	\$ 2,000.00	
2. Postage (see Appendix D for items)	22,000.00	
3. Telephone (8 mos. @ \$100/mo.)	800.00	
4. Supplies	<u>1,000.00</u>	\$25,800.00
D. ANALYSIS COSTS:		
1. Keypunching (8000 responses @ 5 cards per response, 16¢/card verified)	\$ 6,400.00	
2. Computer tapes and supplies	100.00	
3. Computer time	<u>2,000.00</u>	\$ 8,500.00
E. OVERHEAD (assuming Federal funding): 20% of Contract		\$20,762.00
F. FRINGE BENEFITS:		
1. Workmen's compensation @ .002 x 59,280	\$ 118.56	
2. Health Insurance @ .037 x 59,280	2,194.36	
3. Retirement @ .1183 x 59,280	<u>7,042.46</u>	\$ 9,354.38

TOTAL CONTRACT COST.....\$145,564.38

Appendix A

ISSUE DEVELOPMENT FORMS AND LETTERS

INSTITUTE FOR
ENVIRONMENTAL STUDIES

408 South Goodwin Avenue
Urbana, Illinois 61801
(217) 333-4178

The Department of Leisure Studies and the Institute for Environmental Studies at the University of Illinois are conducting a study of the Chicago lakefront. The study is being conducted in conjunction with the City of Chicago Department of Planning, City and Community Development and the Chicago Park District. The study objectives are to examine how the lakefront parks should be related to other elements of the park system, and to determine what sets of facilities, programs and activities the residents of Chicago would like to have located within an expanded lakefront park system.

As a first step in the study, we are enlisting the aid of individuals and groups with a special interest in lakefront development and/or recreation programs in Chicago. You were suggested to us as a source of relevant ideas concerning potential lakefront development for recreation. We would very much like to discuss some of your ideas with you, and to that end we would like to conduct a telephone interview with you at your convenience. We would like to schedule the interview, which should last about twenty minutes, on or before July 14, 1978.

We have enclosed a form on which we would like you to indicate whether or not you are willing to talk with us about your ideas, and, if you are, to schedule a date and time for us to telephone. Please return the form in the enclosed stamped envelope whether you can or cannot talk with us. If you have any questions about the study, please call Jacquelin Buchanan collect at (217) 3336228.

We appreciate your cooperation in this effort to properly develop the Chicago lakefront.

Sincerely,

James E. Christensen
Principal Investigator

Jacquelin P. Buchanan
Project Coordinator

I would like to thank you for taking the time to talk to me about lakefront park issues. We feel that with your help and the help of many other government agencies and civic groups, we have compiled a fairly comprehensive list of issues regarding recreation use and needs in the parks. Your comments which were not used as actual issues will be of great use in the construction of the survey instrument we are working on.

As we discussed at the end of our interview, I am enclosing a list of issues for you to rank in order of importance to your group or agency. Please remember to consider the issues in regard to the lakefront park system. You will find that there are seven large "main" issues (i.e., ADMINISTRATION). Under each main issue you will find a list of issues or items that make up the overall compiled issue (i.e., under ADMINISTRATION, you will find adequacy of communications, adequacy of information, etc.).

First, I would like you to look at the lists under the main issues, and rank the most important five items in each list according to order of importance to your group. On lists where there are more than five items, please rank at least the top five. You will find a space at the right of each item on which to place your number. For example, under ADMINISTRATION, if you feel adequacy of communications is the most important item, place a "1" on the line to the right of "Adequacy of Communications."

Next, rank the seven "main" issues in order of importance to your group. You will find a list of the main issues compiled on the last page of the enclosure, with a blank to the left of each issue. Please rank all of these issues in order of importance to your group, so that when you are finished you have rankings of from 1 to 7.

There are also spaces at the bottom of the item lists and the main issue list for you to use to write in any issues you feel are not covered in the lists, but should be covered in our survey.

I realize that this ranking process is not an easy task, but it will be an invaluable part of our effort to develop a survey instrument that will cover all of the lakefront park issues important to the residents of Chicago.

We would appreciate a quick response, so that we can send you a compilation of the rankings within the next week or so. I thank you in advance for your help.

Sincerely,

Jacquelin Buchanan
Project Coordinator

Enclosure

CHICAGO LAKEFRONT DEMAND STUDY
TELEPHONE INTERVIEW SCHEDULE

PLEASE CHECK ONE RESPONSE, AND FILL IN THE INFORMATION BLANKS:

_____ YES, I will be available for a 20 minute telephone interview
on or before July 14, 1978:

NAME: _____

ORGANIZATION: _____

DATE TO CALL: (month) _____ (day) _____

TIME TO CALL: _____

NUMBER TO CALL: (217) _____

_____ YES, I will be available for a 20 minute telephone interview,
but not on or before July 14, 1978. See below for date:

NAME: _____

ORGANIZATION: _____

DATE TO CALL: (month) _____ (day) _____

TIME TO CALL: _____

NUMBER TO CALL: (217) _____

_____ NO, I will not be available for a 20 minute telephone interview
regarding the Chicago Lakefront development because: _____

NAME: _____

ORGANIZATION: _____

PLEASE RETURN THIS FORM IN THE STAMPED SELF-ADDRESSED ENVELOPE ENCLOSED.

AGENCY/GROUP INTERVIEW FORM

GROUP NAME: _____
INTERVIEWEE NAME: _____
INTEREST: _____
INTERVIEW NUMBER: _____
DATE: _____ TIME: _____
PHONE NUMBER: _____

Hello (name) _____. This is Jacque Buchanan calling from the University of Illinois Institute for Environmental Studies about the Lakefront Recreation Study we are conducting. You indicated that you would help us develop a list of issues and indicated that this would be a good time to call. Is this still a convenient time for us to talk? _____ YES
_____ NO Call Back: _____

I'd like to explain in a little more detail what we are doing. The Department of Planning, City, and Community Development has contracted us to determine the demand or need for additional recreational opportunities along the lakefront. This part of the study involves the preparation and testing of a questionnaire to use in determining the interests and concerns of potential lakefront users. We need to cover all issues relevant to lakefront recreation in the questionnaires, and that is why we've contacted you.

I'll ask you a few questions to give you an idea of the kind of information we would like to get from you. Please feel free to elaborate on your answers, or to point out additional issues, considerations or problems as you think of them. If any question does not apply to your group (population), do not feel you have to answer it. Your answers will be compiled with those of about thirty other groups and agencies, and your individual replies will be held in the strictest confidence.

First, I would like to find out a little about you and (name of organization) _____

1. What is your organization's service area? _____

2. Classification of organization:

- ☐ Club or group with restricted membership
- ☐ Neighborhood group or organization
- ☐ Public agency
- ☐ Voluntary organization supported by fees and charges, open to the public
- ☐ Religious or church organization
- ☐ Other (specify): _____

3. What is your position in the organization: _____

4. Does your organization have a special area of interest in the development of new lakefront recreation areas (for example the environment, special activities, special groups to serve): _____

I would like to ask you some questions about the Lakefront Parks in general, and then we will move on to recreation facilities, and your group's(population's) specific interests.

5. Do the lakefront parks offer enough variety in recreation opportunities to serve both immediately adjacent communities and the rest of the city?

☐ YES

☐ NO

6. Do the lakefront parks offer enough variety in recreation opportunities to serve all groups that might have an interest in using the parks (for example, the aged, ethnic groups, young people)?

☐ YES

☐ NO

if NO, what should be added: _____

7. Some areas of the Lakefront Parks are designed for passive recreation and scenic values, and other parts are designed for more active recreation such as softball, basketball, running, etc. Is your group satisfied with the mix of passive to active recreation areas, or would you like to see more of one and less of the other: _____ MORE SCENIC, LESS ACTIVE

_____ MORE ACTIVE, LESS SCENIC

7B. Should some recreational opportunities be offered in the Lakefront Parks by private enterprise?

YES _____ Which ones? _____

NO _____

If YES, should they be operated as

_____ Concessions, controlled by the Park District

_____ Long term leases From Whom? _____

_____ Should the land be sold to the private operator?

_____ Other _____

8. Are the Lakefront Parks large enough? _____

Now, I would like to get a little more specific about Lakefront Park facilities:

9. What Lakefront Park recreation facilities does your organization (population) use? _____

10. Have there been any problems for your group (population) in using lakefront facilities, for example, availability of facilities, location of facilities, quality of facilities: _____

11. Have you any suggestions to alleviate these facility problems? _____

12. Has your group (population) had other problems implementing your interests in Lakefront recreation that have to do with support facilities or services, for example, transportation, crime control, restriction of any kind: _____

13. Have you any suggestions to alleviate these support facility or service problems? _____

14. Would your group (population) like to see new recreational facilities developed within the Lakefront Park system?

_____ YES

What Facilities: _____

Where located: _____

_____ NO

Why Not: _____

15. Has your organization tried to have new facilities developed along the Lakefront?

_____ YES

Were you successful _____ YES

What kinds of development: _____

_____ NO

What were the constraints: _____

_____ NO

16. Do you feel your group (population) uses the Lakefront Parks as much as they would like?

_____ YES

_____ NO Why not? _____

17. Do you feel people are aware of the opportunities currently available in the Lakefront Parks; in other words, is there an adequate information system?

_____ YES, system is adequate, people are aware

_____ NO, system is inadequate, people are not aware

18. Is there adequate programming for recreation in the Lakefront Parks?

YES

NO Where is it lacking?

19. Are fees a problem in the Lakefront Parks?

YES In what way?

NO

20. Does your group feel that fees should be charged for some programs within the Lakefront Parks?

YES Which Programs/facilities:

NO

21. Would a fee system influence use by special groups in the Lakefront Parks significantly, for example, young people, ethnic groups, the aged, etc.?

YES

NO

22. Can you think of any issues or concerns that you think should be covered in the recreation demand survey that we have not already discussed?

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

We will be contacting about thirty interest groups and government agencies in the course of the issue development part of this study. We would like to compile an issue list and have you examine it and rank the issues in order of importance to your group (population). We would then like to have you look at a compiled ranking of issues, and get your comments on why you agree or disagree with the majority of interest group or agency rankings. This will give you an opportunity to comment or respond to issues that did not surface in the course of this interview.

All of this would have to be done in a matter of a few weeks after the 15th of July. Would you be willing to help us?

_____ YES

_____ NO

THANK YOU SO MUCH FOR YOUR COOPERATION.

CHICAGO LAKEFRONT PARKS ISSUES LIST

Issue: ADMINISTRATION

RANK

- Items: Adequacy of Communications
- Adequacy of Information
- Coordination with other Govern-
ment Agencies
- Citizen input
- Fees
- Ordinance Enforcement
- Contact with Citizens
- Amount of Open Time for
Facilities
- Maintenance of Parks

Issue: ACCESSIBILITY

Items: Pedestrian Access
Auto Access
Access to Handicapped persons
Access to Senior Citizens
Access to Populations Living
Adjacent to the Parks
Access to Populations Living
Outside the Parks Area
Public Transportation to
and from the Parks
Parking

Issue: ANTI-SOCIAL BEHAVIOR

RANK

Items: Actual Crime
 Perception of Crime
 Litter
 Lack of Security
 Use of Drugs and/or Alcohol
 Vandalism

Issue: USE

Items: Permit System
 Congestion in General
 Congestion on Weekends
 Out-of-Area Visitors (i.e., from
 the Northern Suburbs)
 Commercial Development

Issue: PROGRAMMING

Items: For Ethnic Groups
 For Senior Citizens
 For Women
 Cultural Programs
 Number of Programs
 Variety of Programs
 Scheduling of Programs
 Availability of Programs

RANK

Issue: ADEQUACY OF CURRENT LAKEFRONT DEVELOPMENT
AND SERVICES

Items:	Service to Senior Citizens	_____
	Service to the Handicapped	_____
	Service to Women	_____
	Service to Men	_____
	Service to Ethnic Groups	_____
	Service to Poor People	_____
	Service to North Side	_____
	Service to South Side	_____
	Quality of Recreation Facilities in General	_____
	Quantity of Recreation Facilities	_____
	Quantity of Land in the Lake- front Park System	_____
	Quality of the Natural Environ- ment	_____
	Quality of the Built Environment	_____

Issue: NEW FACILITY NEEDS

Items:	Swimming Pools	_____
	Boating Facilities	_____
	Jogging Paths	_____
	Gym Space (for Women)	_____
	Gym Space (in General)	_____
	Walking Paths	_____
	South Side Facilities in General	_____
	North Side Facilities in General	_____
	Open Space	_____
	Facilities for Senior Citizens	_____
	Tennis Courts	_____
	Cultural Activity Facilities	_____
	Playgrounds	_____
	Hardball Diamonds	_____
	Harbor Space/Facilities	_____
	Cross-Country Skiing Trails	_____
	Restaurants	_____

OVERALL RANKING OF MAIN ISSUES:

RANK

ADMINISTRATION

ACCESSIBILITY

ANTI-SOCIAL BEHAVIOR

USE

PROGRAMMING

ADEQUACY OF CURRENT LAKEFRONT DEVELOPMENT AND SERVICES

NEW FACILITY NEEDS

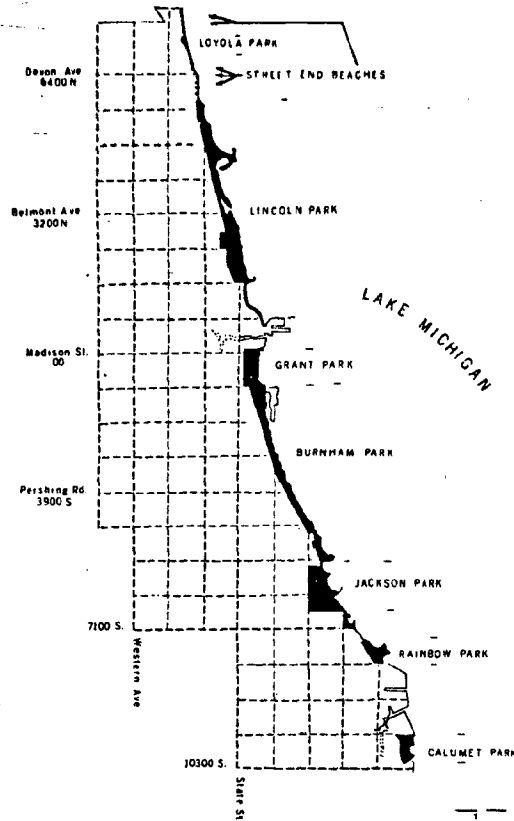
THANK YOU FOR YOUR TIME AND EFFORT!

Appendix B

SURVEY INSTRUMENT PACKAGE

CHICAGO

LAKEFRONT STUDY



Dear Chicago Resident,

As Chicago grows and changes, so does the need for park facilities and recreation. To help find out what the residents of Chicago want in the way of recreation and park facilities, and especially to find out how the residents feel the Lakefront Parks fit into the total Chicago recreation picture, the University of Illinois is conducting this survey for the City of Chicago.

You are one of the 3,000 residents of Chicago selected to let your city planners know what you think and what you want in the way of parks and recreation opportunities, and most important, what you think about the Lakefront Parks. It is very important that you answer the questions in this booklet, so that we may use your opinion to represent the opinions of other adults in your community. Your answers will be grouped together with those of other Chicago residents so that your individual answers will be completely confidential.

The map on this page will be helpful when you answer the questions about the Lakefront Parks. When you have finished answering the questions, please put the booklet in the stamped return envelope and drop it in the mail. If you would like a summary of the results of the study, just print your name and address on the outside of the return envelope.

The lakefront is one of your city's greatest resources, so it is very important that we have your answers about the present and future development of park and recreation facilities in Chicago. Thank you in advance for your help!

Sincerely,

James E. Christensen
James E. Christensen
Project Director
408 South Goodwin
Urbana, Illinois 61801

This first section asks questions about parks in Chicago and especially about the Lakefront Parks. We would like to know how you use the parks and what you think about them. When you answer these questions, please think about this past year. When a question asks about the Lakefront Parks, it might be helpful to look at the map printed on the cover of this booklet. The small lines and numbers to the right are for office use. Please ignore them.

1. IN GENERAL, DO YOU THINK THE QUALITY OF THE LAKEFRONT PARKS IS: (check only one)

- ☐ VERY HIGH
- ☐ HIGH
- ☐ AVERAGE
- ☐ LOW
- ☐ VERY LOW

2. IN THE PAST YEAR, HAVE YOU USED ANY OF THE LAKEFRONT PARKS?

☐ YES

☐ NO

WILL YOU WRITE BRIEFLY WHY NOT:

Skip to Question 5

3. HOW DO YOU MOST OFTEN GET TO THE LAKEFRONT PARKS? (check only one)

- ☐ WALK
- ☐ RIDE A BICYCLE
- ☐ DRIVE A CAR
- ☐ RIDE A BUS
- ☐ ON THE "L"
- ☐ OTHER (specify) _____

4. PLEASE LOOK AT THE MAP ON THE COVER OF THE BOOKLET AND LIST THE THREE LAKEFRONT PARKS YOU USED MOST OFTEN DURING THIS PAST YEAR. THEN CHECK HOW OFTEN YOU USED EACH PARK THIS PAST SUMMER AND THIS PAST WINTER.

NAME OF LAKEFRONT PARK (list)	ABOUT HOW OFTEN DID YOU USE THIS PARK DURING THIS PAST:	
	SUMMER (check one for each park)	WINTER (check one for each park)
MOST OFTEN USED: _____	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>
SECOND MOST OFTEN USED: _____	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>
THIRD MOST OFTEN USED: _____	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ALMOST EVERY DAY <input type="checkbox"/> ONCE OR TWICE A WEEK <input type="checkbox"/> ONCE OR TWICE A MONTH <input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>

5. ABOUT HOW OFTEN DID YOU USE CHICAGO PARKS OTHER THAN THE LAKEFRONT PARKS THIS PAST SUMMER AND WINTER?

SUMMER (check one)	WINTER (check one)
<input type="checkbox"/> ALMOST EVERY DAY	<input type="checkbox"/> ALMOST EVERY DAY
<input type="checkbox"/> ONCE OR TWICE A WEEK	<input type="checkbox"/> ONCE OR TWICE A WEEK
<input type="checkbox"/> ONCE OR TWICE A MONTH	<input type="checkbox"/> ONCE OR TWICE A MONTH
<input type="checkbox"/> ONCE OR TWICE THIS <u>SUMMER</u>	<input type="checkbox"/> ONCE OR TWICE THIS <u>WINTER</u>
<input type="checkbox"/> NEVER	<input type="checkbox"/> NEVER

6. WE WOULD LIKE TO KNOW IF YOU THINK ADDITIONAL FACILITIES ARE NEEDED IN CHICAGO PARKS. ON THE LINES UNDER "NEEDED FACILITIES", LIST UP TO SIX ITEMS YOU THINK ARE NEEDED. AFTER YOU LIST A FACILITY, PLEASE CHECK ON THE RIGHT HAND SIDE THE LAKEFRONT PARK(S) IN WHICH YOU WOULD LIKE TO HAVE THE FACILITY LOCATED, AND/OR WRITE IN ANY OTHER CHICAGO PARK ON THE LINES PROVIDED. (The list of facilities on this page might help you in answering this question, but feel free to list any facility you think is needed. The map on the front cover of the booklet shows where each of the Lakefront Parks is located.)

NEEDED FACILITIES	NORTH SIDE STREET END BEACHES	LOYOLA PARK	LINCOLN PARK	GRANT PARK	BURNHAM PARK	JACKSON PARK	RAINBOW PARK	CALUMET PARK	OTHER CHICAGO PARKS (specify)
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

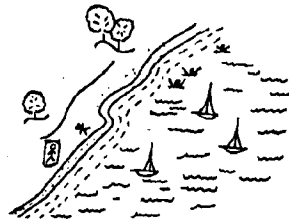
FACILITIES LIST

Archery Ranges	Casting Pools	Putting Greens	Outdoor Theatres	Softball Diamond
Art Galleries	Club Rooms	Handball Courts	Parking Lots	Spray Pools
Assembly Halls	Craft or Hobby Shops	Harbor Facilities	Picnic Areas	Stadium
Athletic Fields	Cross-Country Ski Trails	Launching Ramps	Playgrounds	Swimming Pools
Baseball Diamonds	Day Camp Areas	Horseshoe Courts	Restaurants	Tennis Courts
Basketball Courts	Flower Gardens	Bocce Courts	Restrooms	Trap Ranges
Bathing Beaches	Fieldhouses/Gymnasiums	Lagoons	Running Tracks/Trails	Volleyball Court
Beach Houses	Fishing Areas	Model Yacht Basins	Rifle Ranges	Walking Paths
Bicycle Paths	Football/Soccer Fields	Obstacle Fitness Courses	Senior Citizens Centers	Wildlife Areas
Bowling Greens	Golf Courses	Open Lawn Areas	Shuffleboard Courts	Youth Centers
Bridle Paths	Driving Ranges	Open Paved Areas	Skating Facilities	

7. PLEASE WRITE ANY SUGGESTIONS YOU HAVE TO IMPROVE THE FACILITIES THAT ARE NOW AVAILABLE IN THE LAKEFRONT PARKS:

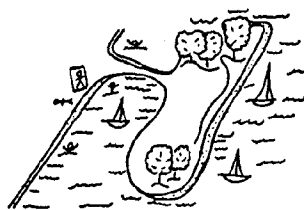
8. IF THE CITY WERE TO ADD LAND TO THE LAKEFRONT PARK SYSTEM, HOW WOULD YOU LIKE TO HAVE IT ADDED? (Look at the diagrams below, and check "YES" or "NO" for each one)

AS NEW SHORELINE LAND ☐ YES
☐ NO



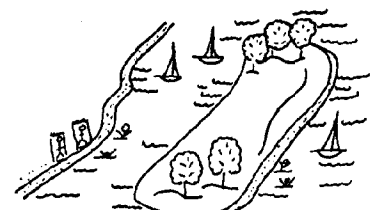
NEW SHORELINE

AS PENINSULAS ☐ YES
☐ NO



PENINSULA

AS ISLANDS ☐ YES
☐ NO



ISLAND

9. IF THE CITY WERE TO ADD LAND TO THE LAKEFRONT PARK SYSTEM IN ANY OF THE WAYS SHOWN ABOVE, LIST UP TO EIGHT FACILITIES YOU WOULD LIKE TO HAVE DEVELOPED ON THAT LAND. (Please list in order of importance to you. Again, the list of facilities will be helpful)

ON NEW SHORELINE LAND
(list facilities)

	73
	74

ON NEW PENINSULAS
(list facilities)

	75
	76

ON NEW ISLANDS
(list facilities)

	77
	78

10. PLEASE READ EACH OF THE FOLLOWING STATEMENTS AND CHECK THE BOX UNDER "YES" IF YOU AGREE, UNDER "NO" IF YOU DO NOT AGREE, AND UNDER "DON'T KNOW" IF YOU ARE NOT SURE IF YOU AGREE OR NOT. THEN FEEL FREE TO COMMENT ON ANY OF THE STATEMENTS ON THE "COMMENT" LINES.

	YES	NO	DON'T KNOW	COMMENT
THE LAKEFRONT PARKS ARE GENERALLY CLEAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
THERE SHOULD BE MORE OPEN GREEN SPACE IN THE LAKEFRONT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
THERE IS ADEQUATE INFORMATION ABOUT THE PROGRAMS AND SERVICE OFFERED IN THE LAKEFRONT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
THE LAKEFRONT PARKS ARE EASY TO GET TO.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
THERE IS ADEQUATE PUBLIC TRANSPORTATION TO AND FROM THE LAKEFRONT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
THERE ARE ENOUGH BOATING FACILITIES IN THE LAKEFRONT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I WOULD LIKE TO HAVE A NEW PARK DEVELOPED NEAR MY HOME.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
I WOULD PAY A REASONABLE FEE TO USE LAKEFRONT PARK FACILITIES AND PROGRAMS, SUCH AS TENNIS COURTS AND SAILING CLASSES.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
PRIVATE BUSINESSES SHOULD BE ALLOWED TO OPERATE CERTAIN FACILITIES IN THE LAKEFRONT PARKS, SUCH AS RESTAURANTS AND AMUSEMENT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
THE LAKEFRONT PARKS ARE A SAFE PLACE TO GO.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
THERE SHOULD BE MORE PARKING SPACE IN THE LAKEFRONT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VISITORS TO THE LAKEFRONT PARKS CAUSE TRAFFIC PROBLEMS IN MY COMMUNITY.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
BOAT HARBORS ADD TO MY ENJOYMENT OF THE LAKEFRONT PARKS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

11. PLEASE LOOK AT THE LIST OF ACTIVITIES BELOW. IF YOU DO AN ACTIVITY, CHECK THE BOX ON THE RIGHT THAT BEST TELL
HOW OFTEN YOU DO IT. THEN CHECK "YES" IF YOU DO THE ACTIVITY IN THE LAKEFRONT PARKS AND "NO" IF YOU DO NOT.
IF YOU DO NOT DO THE ACTIVITY, JUST SKIP TO THE NEXT ONE. THE FIRST PART OF THIS QUESTION IS FOR SUMMER
ACTIVITIES, AND THE SECOND PART IS FOR WINTER ACTIVITIES. (The example "Play Tennis" shows that the activity
is done "once or twice a month" in the summer, and that it is done in the Lakefront Parks.)

[illegible][illegible]

DO YOU PARTICIPATE IN
THE LAKEFRONT PARKS?

12. WE WOULD LIKE TO KNOW WHY YOU DO NOT DO MORE OF THE THINGS YOU LIKE TO DO. FOR ANY ACTIVITY ON THE LIST BELOW THAT YOU WOULD LIKE TO DO MORE, CHECK THE ONE REASON THAT BEST DESCRIBES WHY YOU DO NOT DO IT MORE. (The example shows that the main reason for not playing tennis more is that there is "no one to go with". CHECK ONLY ONE!)

[illegible]

ACTIVITIES

DO CRAFTS OR HOBBIES
DO INDOOR SPORTS
PLAY HOCKEY OR ICE SKATE
SLED OR TOBOGGAN
CROSS-COUNTRY SKI
ICE BOAT

OTHER (specify) _____

	NOT ENOUGH TIME	COSTS TOO MUCH	FACILITY NOT AVAILABLE	FACILITY TOO FAR AWAY	FEAR OF CRIME	BAD HEALTH	NO WAY TO GET THERE	DON'T KNOW WHERE TO GO	NO ONE TO GO WITH
DO CRAFTS OR HOBBIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DO INDOOR SPORTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLAY HOCKEY OR ICE SKATE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SLED OR TOBOGGAN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CROSS-COUNTRY SKI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ICE BOAT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER (specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Next we need to know some things about you. This information is completely confidential, and it will be used only to determine what groups you represent. We would appreciate it if you would answer all of these questions, but if you feel you cannot, please answer as many as possible.

DO YOU OWN OR RENT YOUR HOME? (check only one)

- ☐ OWN
☐ RENT
☐ LIVE WITH PARENTS
☐ OTHER (specify) _____

ARE YOU PRESENTLY: (check only one)

- ☐ EMPLOYED FULL TIME
☐ EMPLOYED PART TIME
☐ FULL TIME HOMEMAKER
☐ FULL TIME STUDENT
☐ RETIRED
☐ UNEMPLOYED

HOW MANY YEARS HAVE YOU LIVED IN YOUR COMMUNITY?

_____ YEARS

WHAT IS YOUR SEX?

- ☐ MALE
☐ FEMALE

WHAT IS YOUR AGE?

_____ YEARS

(Continued on back cover)

WHAT IS YOUR OCCUPATION? (If you are retired or not presently working, describe your usual job. If you have two, describe your main job.)

WHAT IS YOUR ETHNIC BACKGROUND? (check only one)

- ☐ WHITE
☐ BLACK
☐ HISPANIC
☐ AMERICAN INDIAN
☐ ORIENTAL
☐ OTHER (specify) _____

WHAT WAS YOUR APPROXIMATE TOTAL HOUSEHOLD INCOME BEFORE TAXES LAST YEAR (1977)? (check only one)

- ☐ UNDER \$5,000
☐ \$5,000 to \$6,999
☐ \$7,000 to \$8,999
☐ \$9,000 to \$11,999
☐ \$12,000 to \$14,999
☐ \$15,000 to \$19,999
☐ \$20,000 to \$24,999
☐ \$25,000 to \$39,999
☐ \$40,000 and OVER

WHAT IS YOUR MARITAL STATUS? (check only one)

- ☐ NEVER MARRIED
☐ MARRIED
☐ SEPARATED
☐ DIVORCED
☐ WIDOWED

HOW MANY CHILDREN UNDER 18 YEARS OF AGE LIVE IN YOUR HOME?

_____ CHILDREN

WHAT IS THE HIGHEST GRADE THAT YOU HAVE COMPLETED IN SCHOOL? (circle one number)

ELEMENTARY SCHOOL HIGH SCHOOL/TRADE SCHOOL COLLEGE/TRADE SCHOOL GRADUATE SCHOOL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

IF THERE ARE ANY COMMENTS YOU WISH TO MAKE, PLEASE USE THIS SPACE:

Thank you for taking the time to fill out the booklet. Please return it to us in the stamped return envelope. If you would like to have a summary of the results of the study, please write your name and address on the return envelope.

Appendix C

WORKING CODEBOOK

CHICAGO LAKEFRONT STUDY

WORKING CODEBOOK

<u>SCHEDULE QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
Cover	1-4	#### 0000	Schedule number (actual number) No response	VAR001
Cover	5	1	Card number (actual number)	VAR002
Response Status	6	0 1 2 3 4 5 6 7 8	No response Completed useable response Unuseable response Too old to respond Moved, no forwarding address Moved out of town Forwarding time expired Deceased Mailed back blank questionnaire/ notified by respondent or refusal to participate	VAR003
Community	7	0 1 2 3 4	No response Rogers Park West Ridge Uptown Lincoln Square	VAR004
Should a summary be sent?	8	0 1	No, do <u>not</u> send summary Yes, <u>do</u> send a summary	VAR005
1. Quality of the lake- front parks	9	0 1 2 3 4 5	No response Very high High Average Low Very low	VAR006
2a. Used lakefront parks this year?	10	0 1 2	No response Yes No	VAR007
2b. If not, why not? (answer #1)	11-12	00 01-99	No response See Reference List 2b	VAR008
2b. If not, why not? (answer #2)	13-14	00 01-99	No response See Reference List 2b	VAR009

SCHEDULE

<u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
3. How do you get to the lakefront parks?	15-16	00 01-99	No response See Reference List 3a	VAR010
4a. Most often used park:	17	0 1 2 3 4 5 6 7 8	No response Loyola Park Street end beaches Lincoln Park/Montrose Harbor Grant Park Burnham Park Jackson Park Rainbow Park Calumet Park	VAR011
How often used-summer:	18	0 1 2 3 4	No response Almost every day Once or twice a week Once or twice a month Once or twice this season	VAR012
How often used-winter:	19	0 1 2 3 4	No response Almost every day Once or twice a week Once or twice a month Once or twice this season	VAR013
4b. Second most often used park:	20	0 1 2 3 4 5 6 7 8	No response Loyola Park Street end beaches Lincoln Park/Montrose Harbor Grant Park Burnham Park Jackson Park Rainbow Park Calumet Park	VAR014
How often used-summer:	21	0 1 2 3 4	No response Almost every day Once or twice a week Once or twice a month Once or twice this season	VAR015
How often used-winter:	22	0 1 2 3 4	No response Almost every day Once or twice a week Once or twice a month Once or twice this season	VAR016

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
4c. Third most often used park:	23	0	No response	VAR017
		1	Loyola Park	
		2	Street end beaches	
		3	Lincoln Park/Montrose Harbor	
		4	Grant Park	
		5	Burnham Park	
		6	Jackson Park	
		7	Rainbow Park	
		8	Calumet Park	
How often used-summer:	24	0	No response	VAR018
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
How often used-winter:	25	0	No response	VAR019
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
How often were <u>other</u> non-lakefront parks used this summer:	26	0	No response	VAR020
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
		5	Never	
5b. How often were <u>other</u> non-lakefront parks used this winter:	27	0	No response	VAR021
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
		5	Never	
6a. Needed facility #1:	28-29	00	No response	VAR022
		01-99	See Facility List	
#1 is needed in these lakefront parks.	30-31	00	No response	VAR023
		01-99	See Reference List 6b	
#1 is needed in other non-lakefront parks.	32-33	00	No response	VAR024
		01-99	See Reference List 6c	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
6b. Needed facility #2:	34-35	00 01-99	No response See Facility List	VAR025
#2 is needed in these lakefront parks.	36-37	00 01-99	No response See Reference List 6b	VAR026
#2 is needed in other non-lakefront parks,	38-39	00 01-99	No response See Reference List 6c	VAR027
6c. Needed facility #3:	40-41	00 01-99	No response See Facility List	VAR028
#3 is needed in these lakefront parks.	42-43	00 01-99	No response See Reference List 6b	VAR029
#3 is needed in other non-lakefront parks..	44-45	00 01-99	No response See Reference List 6c	VAR030
6d. Needed facility #4:	46-47	00 01-99	No response See Facility List	VAR031
#4 is needed in these lakefront parks.	48-49	00 01-99	No response See Reference List 6b	VAR032
#4 is needed in other non-lakefront parks.	50-51	00 01-99	No response See Reference List 6c	VAR033
6e. Needed facility #5:	52-53	00 01-99	No response See Facility List	VAR034
#5 is needed in these lakefront parks.	54-55	00 01-99	No response See Reference List 6b	VAR035
#5 is needed in other non-lakefront parks.	56-57	00 01-99	No response See Reference List 6c	VAR036
6f. Needed facility #6:	58-59	00 01-99	No response See Facility List	VAR037
#6 is needed in these lakefront parks.	60-61	00 01-99	No response See Reference List 6b	VAR038
#6 is needed in other non-lakefront parks.	62-63	00 01-99	No response See Reference List 6c	VAR039

<u>SCHEDULE QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
a. First suggestion for improving parks:	64-65	00 01-99	No response See Reference List 7	VAR040
7b. Second suggestion for improving parks:	66-67	00 01-99	No response See Reference List 7	VAR041
7c. Third suggestion for improving parks:	68-69	00 00-99	No response See Reference List 7	VAR042
8a. Should there be new shoreline:	70	0 1 2	No response Yes No	VAR043
8b. Should there be new peninsulas:	71	0 1 2	No response Yes No	VAR044
8c. Should there be new islands:	72	0 1 2	No response Yes No	VAR045
9a. Preferred facilities on NEW SHORELINE:				
#1	73-74	00 01-99	No response See Facility List	VAR046
#2	75-76	00 01-99	No response See Facility List	VAR047
#3	77-78	00 01-99	No response See Facility List	VAR048
#4	79-80	00 01-99	No response See Facility List	VAR049
Cover	1-4	#### 0000	Schedule number (actual number) No response	VAR050
Cover	5	2	Card number (actual number)	VAR051

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
a. Preferred facilities on NEW SHORELINE(contd)				
#5	6-7	00 01-99	No response See Facility List	VAR052
#6	8-9	00 01-99	No response See Facility List	VAR053
#7	10-11	00 01-99	No response See Facility List	VAR054
#8	12-13	00 01-99	No response See Facility List	VAR055
9b. Preferred facilities on NEW PENINSULAS				
#1	14-15	00 01-99	No response See Facility List	VAR056
#2	16-17	00 01-99	No response See Facility List	VAR057
#3	18-19	00 01-99	No response See Facility List	VAR058
#4	20-21	00 01-99	No response See Facility List	VAR059
#5	22-23	00 01-99	No response See Facility List	VAR060
#6	24-25	00 01-99	No response See Facility List	VAR061
#7	26-27	00 01-99	No response See Facility List	VAR062
#8	28-29	00 01-99	No response See Facility List	VAR063
9c. Preferred facilities on NEW ISLANDS				
#1	30-31	00 01-99	No response See Facility List	VAR064
#2	32-33	00 01-99	No response See Facility List	VAR065
#3	34-35	00 01-99	No response See Facility List	VAR066
#4	36-37	00 01-99	No response See Facility List	VAR067

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
9. Preferred facilities on NEW ISLAND (contd)				
#5	38-39	00 01-99	No response See Facility List	VAR068
#6	40-41	00 01-99	No response See Facility List	VAR069
#7	42-43	00 01-99	No response See Facility List	VAR070
#8	44-45	00 01-99	No response See Facility List	VAR071
10a. The lakefront parks are clean:	46	0 1 2 3	No response Agree Disagree Don't know	VAR072
Comment	47-48	00 01-99	No response See Reference List 10	VAR073
10b. More open green space:	49	0 1 2 3	No response Agree Disagree Don't know	VAR074
Comment	50-51	00 01-99	No response See Reference List 10	VAR075
10c. Adequate information about programs:	52	0 1 2 3	No response Agree Disagree Don't know	VAR076
Comment	53-54	00 01-99	No response See Reference List 10	VAR077
10d. Easy to get to lakefront parks:	55	0 1 2 3	No response Agree Disagree Don't know	VAR078
Comment	56-57	00 01-99	No response See Reference List 10	VAR079

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
10e. Adequate transportation to and from lakefront parks:	58	0 1 2 3	No response Agree Disagree Don't know	VAR080
Comment	59-60	00 01-99	No response See Reference List 10	VAR081
10f. Enough boating facilities in lakefront parks:	61	0 1 2 3	No response Agree Disagree Don't know	VAR082
Comment	62-63	00 01-99	No response See Reference List 10	VAR083
10g. New park near home:	64	0 1 2 3	No response Agree Disagree Don't know	VAR084
Comment	65-66	00 01-99	No response See Reference List 10	VAR085
10h. Pay reasonable fee:	67	0 1 2 3	No response Agree Disagree Don't know	VAR086
Comment	68-69	00 01-99	No response See Reference List 10	VAR087
10i. Private businesses in lakefront parks:	70	0 1 2 3	No response Agree Disagree Don't know	VAR088
Comment	71-72	00 01-99	No response See Reference List 10	VAR089
10j. Lakefront parks are a safe place to go:	73	0 1 2 3	No response Agree Disagree Don't know	VAR090
Comment	74-75	00 01-99	No response See Reference List 10	VAR091

<u>SCHEDULE QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
10k. More parking space in lakefront parks:	76	0 1 2 3	No response Agree Disagree Don't know	VAR092
Comment	77-78	00 01-99	No response See Reference List 10	VAR093
Cover	1-4	### 0000	Schedule number (actual number) No response	VAR094
Cover	5	3	Card number (actual number)	VAR095
10L. Visitors cause traffic problems:	6	0 1 2 3	No response Agree Disagree Don't know	VAR096
Comment	7-8	00 01-99	No response See Reference List 10	VAR097
10m. Boat harbors add to enjoyment:	9	0 1 2 3	No response Agree Disagree Don't know	VAR098
Comment	10-11	00 01-99	No response See Reference List 10	VAR099
11. How often do you participate in:				
Golf, a	12	0 1 2 3 4	No response Almost every day Once or twice a week Once or twice a month Once or twice this season	VAR100
Golf, b	13	0 1 2	No response Yes No	VAR101
Horseshoes, a	14	0 1 2 3 4	No response Almost every day Once or twice a week Once or twice a month Once or twice this season	VAR102

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
1. How often do you participate in:(contd)				
Horseshoes, b	15	0	No response	VAR103
		1	Yes	
		2	No	
Boccie, a	16	0	No response	VAR104
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Boccie, b	17	0	No response	VAR105
		1	Yes	
		2	No	
Tennis, a	18	0	No response	VAR106
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Tennis, b	19	0	No response	VAR107
		1	Yes	
		2	No	
Baseball, a	20	0	No response	VAR108
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Baseball, b	21	0	No response	VAR109
		1	Yes	
		2	No	
Volleyball, a	22	0	No response	VAR110
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Volleyball, b	23	0	No response	VAR111
		1	Yes	
		2	No	
Football, a	24	0	No response	VAR112
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
11. How often do you participate in:(contd)				
Football, b	25	0	No response	VAR113
		1	Yes	
		2	No	
Bicycle, a	26	0	No response	VAR114
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Bicycle, b	27	0	No response	VAR115
		1	Yes	
		2	No	
Fish, a	28	0	No response	VAR116
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Fish, b	29	0	No response	VAR117
		1	Yes	
		2	No	
Sail/Motor boat, a	30	0	No response	VAR118
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Sail/Motor boat, b	31	0	No response	VAR119
		1	Yes	
		2	No	
Canoe or row, a	32	0	No response	VAR120
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Canoe or row, b	33	0	No response	VAR121
		1	Yes	
		2	No	

SCHEDULE

<u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
11. How often do you participate in:(contd)				
Swim in pool, a	34	0	No response	VAR122
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Swim in pool, b	35	0	No response	VAR123
		1	Yes	
		2	No	
Swim in lake, a	36	0	No response	VAR124
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Swim in lake, b	37	0	No response	VAR125
		1	Yes	
		2	No	
Walk, a	38	0	No response	VAR126
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Walk, b	39	0	No response	VAR127
		1	Yes	
		2	No	
Run or jog, a	40	0	No response	VAR128
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Run or jog, b	41	0	No response	VAR129
		1	Yes	
		2	No	
Picnic, a	42	0	No response	VAR130
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Picnic, b	43	0	No response	VAR131
		1	Yes	
		2	No	

SCHEDULE
QUESTION

COLUMN(S) CODE

ITEM

VARIABLE

1. How often do you
participate in:(contd)

Sunbathe, a	44	0	No response	VAR132
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Sunbathe, b	45	0	No response	VAR133
		1	Yes	
		2	No	
Watch activities, a	46	0	No response	VAR134
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Watch activities, b	47	0	No response	VAR135
		1	yes	
		2	No	
Go to zoo, a	48	0	No response	VAR136
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Go to zoo, b	49	0	No response	VAR137
		1	Yes	
		2	No	
Play cards, a	50	0	No response	VAR138
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Play cards, b	51	0	No response	VAR139
		1	Yes	
		2	No	
Drive, a	52	0	No response	VAR140
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Drive, b	53	0	No response	VAR141
		1	Yes	
		2	No	

SCHEDULE
QUESTION

COLUMN(S) CODE

ITEM

VARIABLE

1. How often do you
participate in:(contd)

Target shoot, a	54	0	No response	VAR142
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Target shoot, b	55	0	No response	VAR143
		1	Yes	
		2	No	
Water ski, a	56	0	No response	VAR144
		1	Almost every day	
		2	Once or twice a week	
		3	Once of twice a month	
		4	Once or twice this season	
Water ski, b	57	0	No response	VAR145
		1	Yes	
		2	No	
Go to concerts, a	58	0	No response	VAR146
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Go to concerts, b	59	0	No response	VAR147
		1	Yes	
		2	No	
Party, a	60	0	No response	VAR148
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Party, b	61	0	No response	VAR149
		1	Yes	
		2	No	
Do crafts, a	62	0	No response	VAR150
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Do crafts, b	63	0	No response	VAR151
		1	Yes	
		2	No	

<u>SCHEDULE QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
1. How often do you participate in:(contd)				
Go to museums, a	64	0	No response	VAR152
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Go to museums, b	65	0	No response	VAR153
		1	Yes	
		2	No	
Do indoor sports, a	66	0	No response	VAR154
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Do indoor sports, b	67	0	No response	VAR155
		1	Yes	
		2	No	
Other: #1	68-69		See Activity List	VAR156
How often:	70	0	No response	VAR157
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
At lakefront parks:	71	0	No response	VAR158
		1	Yes	
		2	No	
Other: #2	72 -73		See Activity List	VAR159
How often:	74	0	No response	VAR160
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
At lakefront parks:	75	0	No response	VAR161
		1	Yes	
		2	No	
Other #3	76-77		See Activity List	VAR162
How often:	78	0	No response	VAR163
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
1. How often do you participate in:(contd)				
Other #3				
At lakefront parks: 79		0	No response	VAR164
		1	Yes	
		2	No	
Cover	1-4	#### 0000	Schedule number (actual number) No response	VAR165
Cover	5	4	Card number (actual number)	VAR166
Play hockey, a	6	0	No response	VAR167
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Play hockey, b	7	0	No response	VAR168
		1	Yes	
		2	No	
Ice skate, a	8	0	No response	VAR169
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Ice skate, b	9	0	No response	VAR170
		1	Yes	
		2	No	
Sled, a	10	0	No response	VAR171
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Sled, b	11	0	No response	VAR172
		1	Yes	
		2	No	
Swim in pool, a	12	0	No response	VAR173
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once of twice this season	
Swim in pool, b	13	0	No response	VAR174
		1	Yes	
		2	No	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
How often do you participate in:(contd)				
Walk, a	14	0	No response	VAR175
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Walk, b	15	0	No response	VAR176
		1	Yes	
		2	No	
Run or jog, a	16	0	No response	VAR177
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Run or jog, b	17	0	No response	VAR178
		1	Yes	
		2	No	
X-country ski, a	18	0	No response	VAR179
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
X-country ski, b	19	0	No response	VAR180
		1	Yes	
		2	No	
Go to zoo, a	20	0	No response	VAR181
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Go to zoo, b	21	0	No response	VAR182
		1	Yes	
		2	No	
Go to museum, a	22	0	No response	VAR183
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Go to museum, b	23	0	No response	VAR184
		1	Yes	
		2	No	

SCHEDULE
QUESTION

COLUMN(S) CODE

ITEM

VARIABLE

11. How often do you
participate in:(contd)

Play cards, a	24	0	No response	VAR185
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Play cards, b	25	0	No response	VAR186
		1	Yes	
		2	No	
Drive, a	26	0	No response	VAR187
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Drive, b	27	0	No response	VAR188
		1	Yes	
		2	No	
Ice fish, a	28	0	No response	VAR189
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Ice fish, b	29	0	No response	VAR190
		1	Yes	
		2	No	
Ice boat, a	30	0	No response	VAR191
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Ice boat, b	31	0	No response	VAR192
		1	Yes	
		2	No	
Go to concerts, a	32	0	No response	VAR193
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Go to concerts, b	33	0	No response	VAR194
		1	Yes	
		2	No	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
11. How often do you participate in:(contd)				
Party, a	34	0	No response	VAR195
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Party, b	35	0	No response	VAR196
		1	Yes	
		2	No	
Do crafts, a	36	0	No response	VAR197
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Do crafts, b	37	0	No response	VAR198
		1	Yes	
		2	No	
Do indoor sports, a	38	0	No response	VAR199
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Do indoor sports, b	39	0	No response	VAR200
		1	Yes	
		2	No	
Watch activities, a	40	0	No response	VAR201
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
Watch activities, b	41	0	No response	VAR202
		1	Yes	
		2	No	
Other: #1	42-43		See "Other" Activity List	VAR203
How often:	44	0	No response	VAR204
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
At lakefront parks:	45	0	No response	VAR205
		1	Yes	
		2	No	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
11. How often do you participate in:(contd)				
Other: #2	46-47		See "Other" Activity List	VAR206
How often:	48	0	No response	VAR207
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
At lakefront parks:	49	0	No response	VAR208
		1	Yes	
		2	No	
Other #3	50-51		See "Other" Activity List	VAR209
How often:	52	0	No response	VAR210
		1	Almost every day	
		2	Once or twice a week	
		3	Once or twice a month	
		4	Once or twice this season	
At lakefront parks:	53	0	No response	VAR211
		1	Yes	
		2	No	
12. Why don't you do more:				
Golf	54	0	No response (don't want to do more)	VAR212
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Boccie	55	0	No response (don't want to do more)	VAR213
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
12. Why don't you do more: (contd)				
Tennis	56	0	No response (don't want to do more)	VAR214
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Baseball	57	0	No response (don't want to do more)	VAR215
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Volleyball	58	0	No response (don't want to do more)	VAR216
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Football	59	0	No response (don't want to do more)	VAR217
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
2. Why don't you do more: (contd)				
Bicycle	60	0	No response (don't want to do more)	VAR218
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Fish or ice fish	61	0	No response (don't want to do more)	VAR219
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Sail or motor boat	62	0	No response(don't want to do more)	VAR220
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Canoe or row	63	0	No response(don't want to do more)	VAR221
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Run or jog	64	0	No response(don't want to do more)	VAR222
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
2. Why don't you do more: (contd)				
Walk for pleasure	65	0	No response(don't want to do more)	VAR223
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Picnic	66	0	No response(don't want to do more)	VAR224
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Swim	67	0	No response(don't want to do more)	VAR225
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Sunbathe	68	0	No response(don't want to do more)	VAR226
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Go to zoo	69	0	No response(don't want to do more)	VAR227
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	

<u>SCHEDULE</u> <u>QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
12. Why don't you do more: (contd)				
Play cards	70	0	No response(don't want to do more)	VAR228
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Drive for pleasure	71	0	No response(don't want to do more)	VAR229
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Trap shoot	72	0	No response(don't want to do more)	VAR230
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Water ski	73	0	No response(don't want to do more)	VAR231
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Go to concerts	74	0	No response(don't want to do more)	VAR232
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	

SCHEDULE
QUESTION

COLUMN(S) CODE

ITEM

VARIABLE

2. Why don't you do more:
(contd)

Party	75	0	No response(don't want to do more)	VAR233
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Do crafts	76	0	No response(don't want to do more)	VAR234
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Indoor sports	77	0	No response(don't want to do more)	VAR235
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Play hockey or skate	78	0	No response(don't want to do more)	VAR236
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Sled or toboggan	79	0	No response(don't want to do more)	VAR237
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	

<u>SCHEDULE QUESTION</u>	<u>COLUMN(S)</u>	<u>CODE</u>	<u>ITEM</u>	<u>VARIABLE</u>
2. Why don't you do more: (contd)				
X-country ski	30	0	No response(don't want to do more)	VAR238
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Cover	1-4	#### 0000	Schedule number (actual number) No response	VAR239
Cover	5	5	Card number (actual number)	VAR240
Ice boat	6	0	No response(don't want to do more)	VAR241
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Other: #1	7-8		See Activity List	VAR242
Why not more?	8	0	No response(don't want to do more)	VAR243
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
Other #2	10-11		See Activity List	VAR244
Why not more?	12	0	No response(don't want to do more)	VAR245
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	

SCHEDULE QUESTION	COLUMN(S)	CODE	ITEM	VARIABLE
12. Why don't you do more: (contd)				
Other: #3	13-14		See Activity List	VAR0246
Why not more?	15	0	No response(don't want to do more)	VAR247
		1	Not enough time	
		2	Costs too much	
		3	Facilities not available	
		4	Facilities too far away	
		5	Fear of crime	
		6	Bad health	
		7	No way to get there	
		8	Don't know where to go	
		9	No one to go with	
13a. Do you own or rent your home:	16	0	No response	VAR248
		1	Own	
		2	Rent	
		3	Live with parents	
		4	Other	
Other:	17	0	No response	VAR249
		1	Live in retirement home	
		2	Hospital/nursing home	
		3	Dormitory	
b. Are you presently:	18	0	No response	VAR250
		1	Employed full time	
		2	Employed part time	
		3	Full time homemaker	
		4	Full time student	
		5	Retired	
		6	Unemployed	
c. How many years lived in you community?	19-20		ACTUAL NUMBER OF YEARS LISTED	VAR251
		00	No response	
d. What is your sex?	21	0	No response	VAR252
		1	Male	
		2	Female	
e. What is your age?	22-23		ACTUAL NUMBER OF YEARS LISTED	VAR253
		00	No response	
f. What is your occupa- tion?	24-25	00	No response	VAR254
		03-98	Duncan SES	
		01	Housewife	
		02	Student	
		99	Retired	

SCHEDULE
QUESTION

COLUMN(S) CODE

ITEM

VARIABLE

13. (contd)

g. What is your

ethnic background: 26-27

00
01
02
03
04
05
06

No response
White
Black
Hispanic
American Indian
Oriental
Other _____

VAR255

REFERENCE LIST 3a

Way To Get To The Lakefront Parks

<u>Code</u>	<u>Item or Combination of Items</u>	<u>Code</u>	<u>Item or Combination of Items</u>
01	Walk	28	Drive car/Ride bus
02	Ride a bicycle	29	Drive car/Ride "L"
03	Drive a car	30	Drive car/Ride with friend
04	Ride a bus	31	Drive car/Motorcycle
05	On the "L"	32	Drive car/Drive boat
06	Other #1: Ride with friend	33	Drive car/Other #4
07	Other #2: Motorcycle	34	Drive car/Other #5
08	Other #3: Boat	35	Ride bus/Ride "L"
09	Other #4:	36	Ride bus/Ride with friend
10	Other #5:	37	Ride bus/Motorcycle
11	Walk/Ride bicycle	38	Ride bus/Drive boat
12	Walk/Drive car	39	Ride bus/Other #4
13	Walk/Ride bus	40	Ride bus/Other #5
14	Walk/Ride "L"	41	Ride "L"/Ride with friend
15	Walk/Ride with friend	42	Ride "L"/Motorcycle
16	Walk/Motorcycle	43	Ride "L"/Drive boat
17	Walk/Boat	44	Ride "L"/Other #4
18	Walk/Other #4	45	Ride "L"/Other #5
19	Walk/Other #5	46	Ride with friend/Motorcycle
20	Ride bicycle/Drive car	47	Ride with friend/Drive boat
21	Ride bicycle/Ride bus	48	Ride with friend/Other #4
22	Ride bicycle/Ride "L"	49	Ride with friend/Other #5
23	Ride bicycle/Ride with friend	50	Motorcycle/Drive boat
24	Ride bicycle/Ride motorcycle	51	Motorcycle/Other #4
25	Ride bicycle/Drive boat	52	Motorcycle/Other #5
26	Ride bicycle/Other #4	53	Boat/Other #4
27	Ride bicycle/Other #5	54	Boat/Other #5
		55	Other #4/Other #5

REFERENCE LIST 6a

Park Combinations

<u>Code</u>	<u>Combinations</u>	<u>Code</u>	<u>Combinations</u>
01	Northside Street End Beaches	29	Northside/Loyola/Lincoln
02	Loyola	30	Lincoln/Grant/Burnham
03	Lincoln	31	Northside/Loyola/Lincoln/Grant/Jackson
04	Grant	32	Lincoln/Grant/Jackson
05	Burnham	33	All but Grant
06	Jackson	34	Loyola/Lincoln/Burnham/Jackson
07	Rainbow	35	Loyola/Lincoln/Burnham
08	Calumet	36	All but Northside
09	Northside/Loyola	37	All but Northside/Loyola
10	Northside/Lincoln	38	Northside/Loyola/Lincoln/Jackson
11	Northside/Grant	39	Loyola/Lincoln/Rainbow
12	Northside/Burnham	40	Northside/Loyola/Lincoln/Burnham
13	Northside/Jackson	41	Lincoln/Burnham/Jackson/Rainbow/Calumet
14	Loyola/Lincoln	42	Northside/Loyola/Burnham
15	Loyola/Grant	43	Lincoln/Grant/Jackson/Calumet
16	Loyola/Burnham	44	Lincoln/Burnham/Calumet
17	Loyola/Jackson	45	Loyola/Lincoln/Grant/Jackson/Rainbow/Calumet
18	Lincoln/Grant	46	Loyola/Lincoln/Jackson
19	Lincoln/Burnham	47	Lincoln/Jackson/Rainbow
20	Lincoln/Jackson	48	Northside/Loyola/Lincoln/Jackson/Calumet
21	Grant/Burnham	49	Loyola/Lincoln/Grant/Burnham/Jackson/Calumet
22	Grant/Jackson	50	Northside/Grant/Burnham
23	Burnham/Jackson	51	Loyola/Grant/Lincoln/Burnham
24	Loyola/Lincoln/Grant	52	Northside/Loyola/Lincoln/Grant/Burnham
25	Northside/Lincoln/Grant	53	Northside/Lincoln/Burnham
26	Lincoln/Rainbow	54	Loyola/Jackson/Rainbow/Calumet
27	Northside/Loyola/Lincoln/Grant	55	Northside/Loyola/Burnham/Jackson/Rainbow/Calumet
28	Northside/Loyola/Lincoln	56	Burnham/Jackson/Rainbow/Calumet

REFERENCE LIST 6c

Other Chicago Park Facility is Needed IN:

<u>Code</u>	<u>Name of Park</u>
01	Horner Park
02	Wells Park
03	Senn Park
04	Indian Boundary
05	Warren
06	Pottawatamie
07	River
08	Chase
09	Mather
10	Green Briar
11	Margak
12	Winnemac
13	Rogers
14	Garfield
15	Lerner
16	Schriber Park
17	Olive
18	Waveland
19	Gross
20	Peterson
21	Toughy
22	Foster
23	Portage
24	Pratt
25	Oz
26	Belmont
27	Jensen
28	Pottawatamie/Rogers
29	Emmerson
30	Shabona
31	Lunt
32	N. Branch Chicago River Development

REFERENCE LIST 7

Suggestions for Improvement

<u>Code</u>	<u>Item</u>
01	General maintenance (i.e., clean up general litter)
02	Broken glass
03	Clean the restrooms
04	Have more restrooms/keep open year round
05	Parks are generally unsafe
06	Fear of juvenile delinquents/problem with kids
07	Fear of crime generally
08	Increase security
09	Too expensive
10	More lighting
11	Improve food service
12	Improve transportation
13	More shade, trees, etc.
14	Parking is a problem
15	Lack of information on facilities, programs, etc.
16	Beaches too rocky, better sand needed, etc.
17	Dog/pet problem
18	Improve programming generally
19	Develop more/better boating facilities
20	More/better facilities developed, <u>NOT</u> boating, but other
21	Improve/increase present parks
22	Limit private facilities
23	Limit development
24	Keep politics out of it
25	Repair roads/paths
26	Dissatisfaction with personnel
27	Fix the breakwater/improve fishing areas
28	More benches, tables, shelters
29	More restaurants/concessions
30	Improve present facilities and equipment
31	Control ethnic problem
32	Have programs/facilities available more or better hours
33	More natural areas
34	Have fees for services, zoo, etc.
35	Enforce rules/fines

REFERENCE LIST 10

Comments

<u>Code</u>	<u>Comments</u>
01	General emphasis
02	Very <u>Specific</u> qualifer
03	Limit development generally
04	Incerase public transportation services
05	Serve low income people better
06	Serve senior citizens better
07	Park district should economize on personnel
08	Parks are not safe <u>at night</u>
09	Violence
10	Expand or improve existing parks/beaches
11	Cost/money/tax concerns
12	Does not own a boat
13	Negative on boating
14	Limit parking to patrons/parking problems
15	Varies from park to park
16	Already have a park nearby
17	Maintenance problems in general (litter)
18	Make information more readily available
19	Keep politics out of it
20	City owned/operated
21	More trees, vegetation
22	Negative on cars
23	Public transportation unsafe
24	People don't take care of parks/just don't care
25	More trash containers/garbage facilities
26	No more additional boating or boating facilities
27	Have free parking
28	Have more boating facilities

Other List for
"DO YOU OWN OR RENT YOUR HOME"

<u>Code</u>	<u>Item</u>
1	Nursing home
2	Retirement home
3	Dormitory
4	Convent
5	Church rectory
6	Room in hotel/motel

"OTHER" ACTIVITIES LITS

<u>Code</u>	<u>Activity</u>
01	Clubs (any kind)
02	Racquetball
03	Exercise class
04	Basketball
05	Children's day camp
06	Frisbee
07	Horseback Riding
08	Bird watching
09	Yoga class
10	Tobagganing
11	Photography
12	Indoor swimming
13	Weight lifting
14	Square dance and dance
15	Drama
16	Obstacle fitness course
17	Concerts
99	Miscellaneous

REFERENCE LIST 2b

Reasons for NOT Using Lakefront Parks

<u>Code</u>	<u>Reason for NOT Using Lakefront Parks</u>
01	No enough time
02	Too busy
03	Generally not interested
04	Use other areas (i.e., other parks, yards, etc.)
05	Too old and age related infirmities
06	Physically unable, infirmities <u>not</u> specifically related to age
07	Parks are dirty with litter
08	Facilities (especially restrooms) are dirty
09	Parks are <u>generally</u> dirty
10	Fear of crime
11	Lack of protection
12	Parks are <u>generally</u> unsafe
13	Parks are too far away
14	Lack of transportation
15	Out of town
16	No specific reason
17	Parks are too crowded
18	No one to go with
19	Public transportation is unsafe
20	Too much anti-social behavior
21	No handicapped access (curbs)
22	Lack of parking

FACILITIES LIST

<u>Code</u>	<u>Facility</u>	<u>Code</u>	<u>Facility</u>
01	Archery ranges	57	Shade
02	Art galleries	58	Bike parking
03	Assembly halls	59	Concerts
04	Athletic fields	60	Piers
05	Baseball diamonds	61	Boat rentals/classes facilitie
06	Basketball courts	62	Dog or pet areas
07	Bathing beaches	63	Tables for games
08	Beach house	64	Drinking fountains
09	Bicycle paths	65	Under water studies
10	Bowling greens	66	Viewing area
11	Bridle paths	67	Phones
12	Casting pools	68	Bus service
13	Club rooms	69	Beaches
14	Craft/hobby shops	70	Nature centers
15	Cross-country ski trails	71	Skateboard/rollerland
16	Day camp areas	72	B-B-Q grills
17	Flower gardens	73	Garbage cans
18	Fieldhouses/gymasiums	74	Trees, vegetation
19	Fishing areas	75	Bridge
20	Football/soccer fields	76	Horse stables
21	Golf courses	77	Trails
22	Driving ranges	78	Amusement park
23	Putting greens	79	Special handicapped facilities
24	Handball courts/racquetball	80	Bicycle rental
25	Harbor facilities	81	Campsites
26	Launching ramps	82	Frisbee/golf course
27	Horseshoe courts	83	Transportation to island (ferr
28	Boccie courts	84	First aid station
29	Lagoons	85	Horse and carriages
30	Model yacht basins	86	Information signs
31	Obstacle fitness course	87	Locker rooms
32	Open lawn areas	88	Arboretum
33	Open paved areas	89	Culture center-dance and drama
34	Outdoor theatres	90	Sledding run
35	Parking lots	91	Puppet shows
36	Picnic areas		
37	Playgrounds	99	Miscellaneous
38	Restaurants/food service		
39	Restrooms		
40	Runningtracks/trails		
41	Rifle ranges - pistol		
42	Senior citizens centers		
43	Shuffleboard courts		
44	Skating facilities		
45	Softball diamond		
46	Spray pool		
47	Stadium		
48	Swimming pools		
49	Tennis courts		
50	Trap ranges		
51	Volleyball courts		
52	Walking paths		
53	Wildlife areas		
54	Youth centers		
55	Lighted area		
56	Benches-shelters		

Appendix D

POSTAGE AND PRINTING
COSTS ITEMIZED

Appendix D

POSTAGE COSTS ITEMIZED

January, 1979

First mailing of 10,900 pieces @ \$.41 each	\$4,469.00	
10,900 return envelopes @ \$.28 each	3,052.00	
Postcard follow-up of 10,980 pieces @ \$.10 each	1,090.00	
Second mailing (assuming 35% already returned)		
of 7,085 @ \$.41 each	2,905.00	
7,085 return envelopes @ \$.28 each	1,984.00	
Third mailing (assuming 50% already returned)		
of 5,450 @ \$.41 each plus \$.80 for certification	6,595.00	
5,450 return envelopes @ \$.28 each	<u>1,526.00</u>	
SUB TOTAL		\$21,621.00
Plus miscellaneous postage		<u>379.00</u>
TOTAL.....		\$22,000.00

If a summary of results is offered, there might be an additional cost of up to \$2,500.00.

Appendix D

PRINTING COST ITEMIZED

Questionnaire, 25,000 @ \$.13 each	\$4,500.00
10 x 13" envelopes, 25,000 @ \$.06 each	1,500.00
9 x 12" envelopes, 25,000 @ \$.05 each	1,250.00
Postcard, 10,900 @ \$.02 each	218.00
Follow-up letters, 13,000 @ \$.02 each	<u>260.00</u>
TOTAL:	\$7,728.00

